

COLOR MONITOR SERVICE MANUAL

CHASSIS NO.: LM57B

MODEL: FLATRON L1752TX (L1752TX-SFQ.AX**QP, AW**QP)
FLATRON L1752TX (L1752TX-BFQ.AX**QP, AW**QP)
FLATRON L1952TX (L1952TX-SFQ.AX**QP, AW**QP)
FLATRON L1952TX (L1952TX-BFQ.AX**QP, AW**QP)

() **Same model for Service

CAUTION

BEFORE SERVICING THE UNIT, READ THE **SAFETY PRECAUTIONS** IN THIS MANUAL.



*To apply the MSTAR Chip.

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SPECIFICATIONS

1. LCD CHARACTERISTICS

: TFT Color LCD Module Type Active Display Area : 17 inch - L1752TX

: 19 inch - L1952TX Pixel Pitch : 0.264 (H) x 0.264 (V) - L1752TX : 0.294 (H) x 0.294 (V) - L1952TX

Color Depth : 8bits, 16.2M colors

Size : 358.5 (H) x 296.5 (V) x 17.0(D) - L1752TX : 396 (H) x 324 (V) x 17.5(D) - L1952TX

Electrical Interface : LVDS

Surface Treatment : Hard-coating(3H), Anti-Glare Operating Mode : Normally White, Transmissive mode

Backlight Unit : 4-CCFL

2. OPTICAL CHARACTERISTICS

2-1. Viewing Angle by Contrast Ratio ≥ 10

Left: -60° min., -70° (Typ) Right: +60° min., +70° (Typ) Top:+60° min., +75°(Typ) Bottom: -50° min., -65°(Typ)

: 230(min), 300(Typ) (Full White pattern, 0.70V) -6500K 2-2. Luminance

: 150(min) (Full White pattern, 0.70V) -9300K

75%(min)

2-3. Contrast Ratio : 1400 : 1(DFC)

3. SIGNAL (Refer to the Timing Chart)

3-1. Sync Signal

 Type : Separate Sync, Digital, SOG

3-2. Video Input Signal

1) Type : R, G, B Analog 2) Voltage Level : 0~0.71 V a) Color 0, 0 : 0 Vp-p b) Color 7, 0 : 0.467Vp-p c) Color 15, 0 : 0.714Vp-p 3) Input Impedance : **75**Ω

3-3. Operating Frequency

Horizontal : 30 ~ 83kHz Vertical : 56 ~ 75Hz

4. Max. Resolution

D-sub Analog : 1280 x 1024@75Hz : 1280 x 1024@60Hz Digital

5. POWER SUPPLY

5-1. Power: AC 100-240V~, 50/60Hz, 0.8A

5-2. Power Consumption

MODE	H/V SYNC	VIDEO	POWER CONSUMPTION	LED COLOR
POWER ON (NORMAL)	ON/ON	ACTIVE	less than 33 W -L1752TX	BLUE
FOWER ON (NORWAL)	ON/ON	ACTIVE	less than 37 W -L1952TX	or GREEN
STAND-BY	OFF/ON	OFF	less than 1 W	AMBER
SUSPEND	ON/OFF	OFF	less than 1 W	AMBER
DPMS OFF	OFF/OFF	OFF	less than 1 W	AMBER
POWER S/W Off	-	ı	less than 1 W	OFF

6. ENVIRONMENT

6-1. Operating Temperature: 10°C~35°C (50°F~95°F)

(Ambient)

: 10%~80% (Non-condensing) 6-2. Relative Humidity : 50.000 HRS with 90% Confidence 6-3. MTBF

: 50,000 Hours(Min) Lamp Life

7. DIMENSIONS (with TILT/SWIVEL) L1752TX

Width : 364.5 mm (14.35") Depth : 180 mm (7.09") Height : 378.2 mm (14.89")

L1952TX

Width : 402 mm (15.83") Depth : 180 mm (7.09") Height : 407.5 mm (16.04")

8. WEIGHT (with TILT/SWIVEL)

L1752TX

Net. Weight : 3.5 kg (7.72 lbs) **Gross Weight** : 4.6 kg (10.14 lbs)

L1952TX

Net. Weight : 4.4 kg (9.70 lbs) **Gross Weight** : 5.6 kg (12.35 lbs)

PRECAUTION

WARNING FOR THE SAFETY-RELATED COMPONENT.

- There are some special components used in LCD monitor that are important for safety. These parts are marked on the schematic diagram and the replacement parts list. It is essential that these critical parts should be replaced with the manufacturer's specified parts to prevent electric shock, fire or other hazard.
- Do not modify original design without obtaining written permission from manufacturer or you will void the original parts and labor guarantee.

TAKE CARE DURING HANDLING THE LCD MODULE WITH BACKLIGHT UNIT.

- Must mount the module using mounting holes arranged in four corners.
- Do not press on the panel, edge of the frame strongly or electric shock as this will result in damage to the screen.
- Do not scratch or press on the panel with any sharp objects, such as pencil or pen as this may result in damage to the panel.
- Protect the module from the ESD as it may damage the electronic circuit (C-MOS).
- Make certain that treatment person's body are grounded through wrist band.
- Do not leave the module in high temperature and in areas of high humidity for a long time.
- The module not be exposed to the direct sunlight.
- Avoid contact with water as it may a short circuit within the module.
- If the surface of panel become dirty, please wipe it off with a softmaterial. (Cleaning with a dirty or rough cloth may damage the panel.)

↑ CAUTION

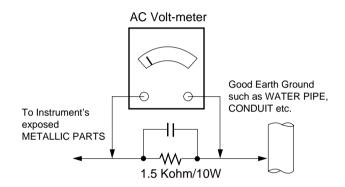
Please use only a plastic screwdriver to protect yourself from shock hazard during service operation.

↑ WARNING

BE CAREFUL ELECTRIC SHOCK!

- If you want to replace with the new backlight (CCFL) or inverter circuit, must disconnect the AC adapter because high voltage appears at inverter circuit about 650Vrms.
- Handle with care wires or connectors of the inverter circuit. If the wires are pressed cause short and may burn or take fire.

Leakage Current Hot Check Circuit



SERVICING PRECAUTIONS

CAUTION: Before servicing receivers covered by this service manual and its supplements and addenda, read and follow the **SAFETY PRECAUTIONS** on page 3 of this publication.

NOTE: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions on page 3 of this publication, always follow the safety precautions. Remember: Safety First.

General Servicing Precautions

- Always unplug the receiver AC power cord from the AC power source before;
 - a. Removing or reinstalling any component, circuit board module or any other receiver assembly.
 - b. Disconnecting or reconnecting any receiver electrical plug or other electrical connection.
 - c. Connecting a test substitute in parallel with an electrolytic capacitor in the receiver.
 - **CAUTION:** A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.
 - d. Discharging the picture tube anode.
- Test high voltage only by measuring it with an appropriate high voltage meter or other voltage measuring device (DVM, FETVOM, etc) equipped with a suitable high voltage probe.
 - Do not test high voltage by "drawing an arc".
- 3. Discharge the picture tube anode only by (a) first connecting one end of an insulated clip lead to the degaussing or kine aquadag grounding system shield at the point where the picture tube socket ground lead is connected, and then (b) touch the other end of the insulated clip lead to the picture tube anode button, using an insulating handle to avoid personal contact with high voltage.
- Do not spray chemicals on or near this receiver or any of its assemblies.
- 5. Unless specified otherwise in this service manual, clean electrical contacts only by applying the following mixture to the contacts with a pipe cleaner, cotton-tipped stick or comparable non-abrasive applicator; 10% (by volume) Acetone and 90% (by volume) isopropyl alcohol (90%-99% strength)

CAUTION: This is a flammable mixture.

Unless specified otherwise in this service manual, lubrication of contacts in not required.

- Do not defeat any plug/socket B+ voltage interlocks with which receivers covered by this service manual might be equipped.
- Do not apply AC power to this instrument and/or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.
- 8. Always connect the test receiver ground lead to the receiver chassis ground before connecting the test receiver positive lead.

Always remove the test receiver ground lead last.

Use with this receiver only the test fixtures specified in this service manual.

CAUTION: Do not connect the test fixture ground strap to any heat sink in this receiver.

Electrostatically Sensitive (ES) Devices

Some semiconductor (solid-state) devices can be damaged easily by static electricity. Such components commonly are called *Electrostatically Sensitive (ES) Devices*. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static by static electricity.

- 1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed to prevent potential shock reasons prior to applying power to the unit under test.
- After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
- Use only a grounded-tip soldering iron to solder or unsolder ES devices.
- 4. Use only an anti-static type solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
- Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
- 6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
- Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

 Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

General Soldering Guidelines

- 1. Use a grounded-tip, low-wattage soldering iron and appropriate tip size and shape that will maintain tip temperature within the range or 500° F to 600° F.
- 2. Use an appropriate gauge of RMA resin-core solder composed of 60 parts tin/40 parts lead.
- 3. Keep the soldering iron tip clean and well tinned.
- 4. Thoroughly clean the surfaces to be soldered. Use a mall wire-bristle (0.5 inch, or 1.25cm) brush with a metal handle.
 - Do not use freon-propelled spray-on cleaners.
- 5. Use the following unsoldering technique
 - a. Allow the soldering iron tip to reach normal temperature.
 - (500° F to 600° F)
 - b. Heat the component lead until the solder melts.
 - c. Quickly draw the melted solder with an anti-static, suction-type solder removal device or with solder braid.
 - **CAUTION:** Work quickly to avoid overheating the circuitboard printed foil.
- 6. Use the following soldering technique.
 - a. Allow the soldering iron tip to reach a normal temperature (500° F to 600° F)
 - b. First, hold the soldering iron tip and solder the strand against the component lead until the solder melts.
 - c. Quickly move the soldering iron tip to the junction of the component lead and the printed circuit foil, and hold it there only until the solder flows onto and around both the component lead and the foil.
 - **CAUTION:** Work quickly to avoid overheating the circuit board printed foil.
 - d. Closely inspect the solder area and remove any excess or splashed solder with a small wire-bristle brush.

IC Remove/Replacement

Some chassis circuit boards have slotted holes (oblong) through which the IC leads are inserted and then bent flat against the circuit foil. When holes are the slotted type, the following technique should be used to remove and replace the IC. When working with boards using the familiar round hole, use the standard technique as outlined in paragraphs 5 and 6 above.

Removal

- Desolder and straighten each IC lead in one operation by gently prying up on the lead with the soldering iron tip as the solder melts.
- 2. Draw away the melted solder with an anti-static suction-type solder removal device (or with solder braid) before removing the IC.

Replacement

- 1. Carefully insert the replacement IC in the circuit board.
- Carefully bend each IC lead against the circuit foil pad and solder it.
- 3. Clean the soldered areas with a small wire-bristle brush. (It is not necessary to reapply acrylic coating to the areas).

"Small-Signal" Discrete Transistor Removal/Replacement

- 1. Remove the defective transistor by clipping its leads as close as possible to the component body.
- 2. Bend into a "U" shape the end of each of three leads remaining on the circuit board.
- 3. Bend into a "U" shape the replacement transistor leads.
- 4. Connect the replacement transistor leads to the corresponding leads extending from the circuit board and crimp the "U" with long nose pliers to insure metal to metal contact then solder each connection.

Power Output, Transistor Device Removal/Replacement

- Heat and remove all solder from around the transistor leads.
- 2. Remove the heat sink mounting screw (if so equipped).
- Carefully remove the transistor from the heat sink of the circuit board.
- 4. Insert new transistor in the circuit board.
- 5. Solder each transistor lead, and clip off excess lead.
- 6. Replace heat sink.

Diode Removal/Replacement

- Remove defective diode by clipping its leads as close as possible to diode body.
- Bend the two remaining leads perpendicular y to the circuit board.
- Observing diode polarity, wrap each lead of the new diode around the corresponding lead on the circuit board.
- 4. Securely crimp each connection and solder it.
- 5. Inspect (on the circuit board copper side) the solder joints of the two "original" leads. If they are not shiny, reheat them and if necessary, apply additional solder.

Fuse and Conventional Resistor Removal/Replacement

- Clip each fuse or resistor lead at top of the circuit board hollow stake.
- 2. Securely crimp the leads of replacement component around notch at stake top.
- 3. Solder the connections.
 - **CAUTION:** Maintain original spacing between the replaced component and adjacent components and the circuit board to prevent excessive component temperatures.

Circuit Board Foil Repair

Excessive heat applied to the copper foil of any printed circuit board will weaken the adhesive that bonds the foil to the circuit board causing the foil to separate from or "lift-off" the board. The following guidelines and procedures should be followed whenever this condition is encountered.

At IC Connections

To repair a defective copper pattern at IC connections use the following procedure to install a jumper wire on the copper pattern side of the circuit board. (Use this technique only on IC connections).

- 1. Carefully remove the damaged copper pattern with a sharp knife. (Remove only as much copper as absolutely necessary).
- carefully scratch away the solder resist and acrylic coating (if used) from the end of the remaining copper pattern.
- Bend a small "U" in one end of a small gauge jumper wire and carefully crimp it around the IC pin. Solder the IC connection.
- 4. Route the jumper wire along the path of the out-away copper pattern and let it overlap the previously scraped end of the good copper pattern. Solder the overlapped area and clip off any excess jumper wire.

At Other Connections

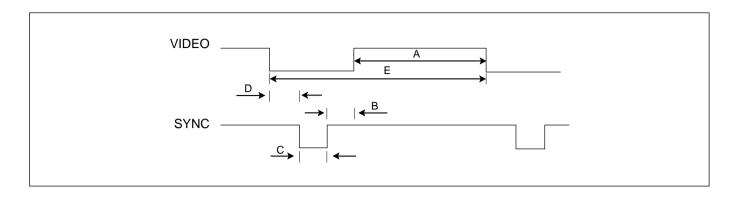
Use the following technique to repair the defective copper pattern at connections other than IC Pins. This technique involves the installation of a jumper wire on the component side of the circuit board.

- Remove the defective copper pattern with a sharp knife
 - Remove at least 1/4 inch of copper, to ensure that a hazardous condition will not exist if the jumper wire opens.
- Trace along the copper pattern from both sides of the pattern break and locate the nearest component that is directly connected to the affected copper pattern.
- Connect insulated 20-gauge jumper wire from the lead of the nearest component on one side of the pattern break to the lead of the nearest component on the other side.

Carefully crimp and solder the connections.

CAUTION: Be sure the insulated jumper wire is dressed so the it does not touch components or sharp edges.

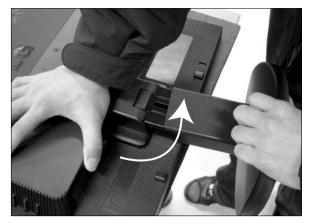
TIMING CHART



MODE	H/V	Sync Polarity	Dot Clock	Frequency	Total Period (E)	Video Active Time (A)	Sync Duration (D)	Front Porch (C)	Blanking Time (B)	Resolution
1	H(Pixels)	+	25.175	31.469	800	640	16	96	48	640 x 350
	V(Lines)	-		70.09	449	350	37	2	60	
2	H(Pixels)	-	28.321	31.468	900	720	18	108	54	720 X 400
	V(Lines)	+		70.08	449	400	12	2	35	
3	H(Pixels)	-	25.175	31.469	800	640	16	96	48	640 x 480
	V(Lines)	-		59.94	525	480	10	2	33	
4	H(Pixels)	-	31.5	37.5	840	640	16	64	120	640 x 480
	V(Lines)	-		75	500	480	1	3	16	
5	H(Pixels)	+	40.0	37.879	1056	800	40	128	88	800 x 600
	V(Lines)	+		60.317	628	600	1	4	23	
6	H(Pixels)	+	49.5	46.875	1056	800	16	80	160	800 x 600
	V(Lines)	+		75.0	625	600	1	3	21	
7	H(Pixels)	+/-	57.283	49.725	1152	832	32	64	224	832 x 624
	V(Lines)	+/-		74.55	667	624	1	3	39	
8	H(Pixels)	-	65.0	48.363	1344	1024	24	136	160	1024 x 768
	V(Lines)	-		60.0	806	768	3	6	29	
9	H(Pixels)	-	78.75	60.123	1312	1024	16	96	176	1024 x 768
	V(Lines)	-		75.029	800	768	1	3	28	
10	H(Pixels)	+/-	100.0	68.681	1456	1152	32	128	144	1152 x 870
	V(Lines)	+/-		75.062	915	870	3	3	39	
11	H(Pixels)	+/-	92.978	61.805	1504	1152	18	134	200	1152 x 900
	V(Lines)	+/-		65.96	937	900	2	4	31	
12	H(Pixels)	+	108.0	63.981	1688	1280	48	112	248	1280 x 1024
	V(Lines)	+		60.02	1066	1024	1	3	38	
13	H(Pixels)	+	135.0	79.976	1688	1280	16	144	248	1280 x 1024
	V(Lines)	+		75.035	1066	1024	1	3	38	

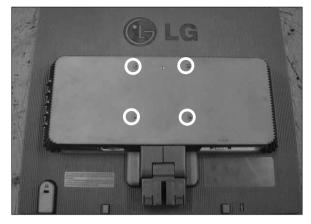
DISASSEMBLY-Set

1



Disassembly Like a picture.

2



Remove the screws.

3-1



- Pull the front cover upward.
 Then, let the all latches are separated.(#3-1~3-2)
 Put the front face down.

3-2



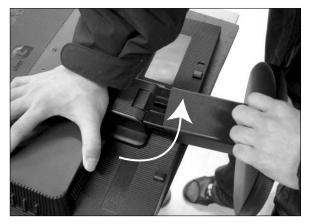
4



Disassemble back cover.

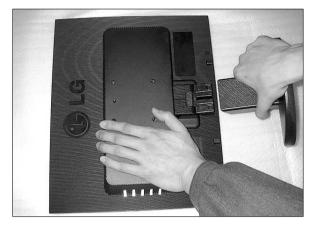
DISASSEMBLY-Stand

1



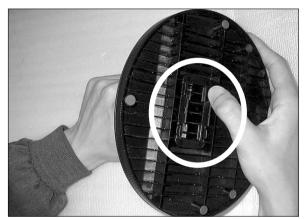
1. In assembly state, Twist Stand Body to Right side.

2



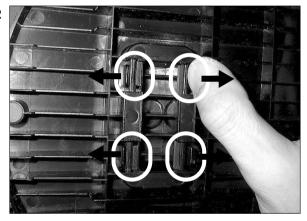
2. Pull Stand and Separate Stand from Monitor set.

3-1

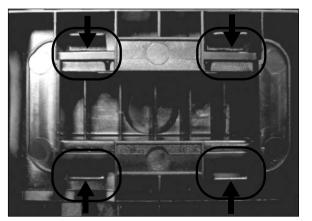


3. Push the four latches on the bottom to the outside and Separate Stand Body & Base. (Reference the #3-2)

3-2

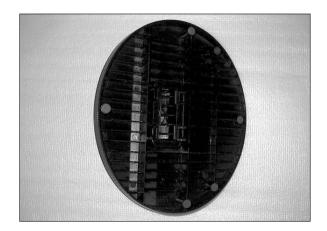


3-3

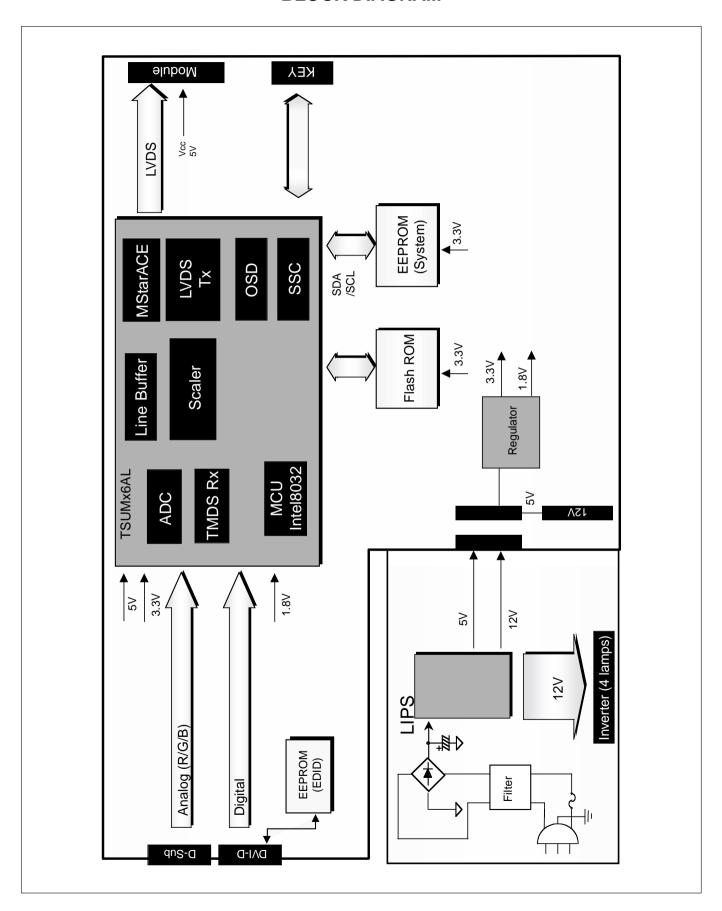


After finished repair, necessarily push 4ea Latches to inside for restoration.

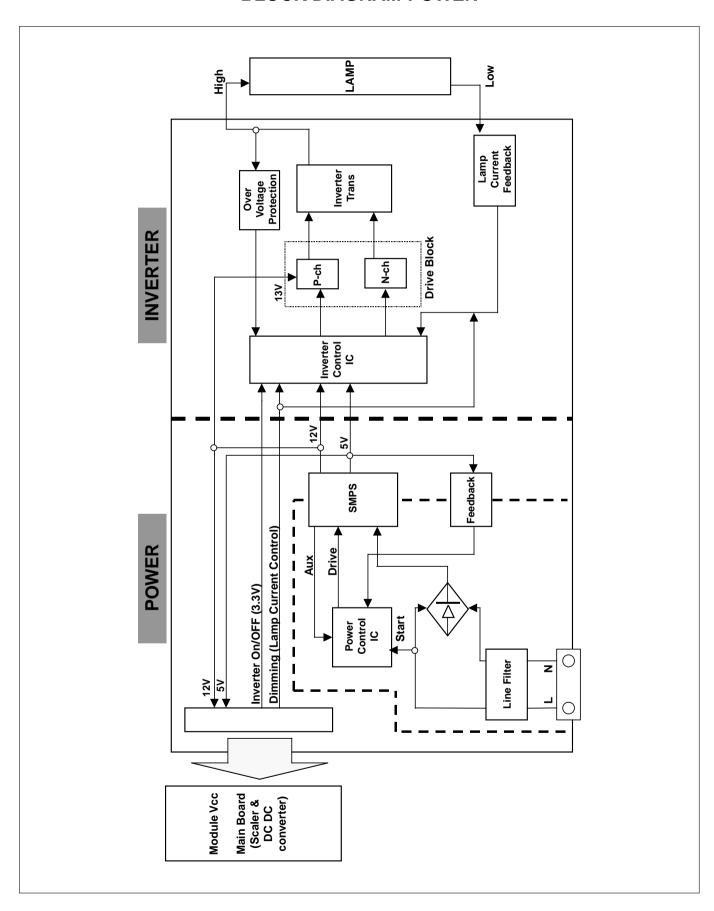
4



BLOCK DIAGRAM



BLOCK DIAGRAM-POWER



DESCRIPTION OF BLOCK DIAGRAM

1. Video Controller Part.

This part amplifies the level of video signal for the digital conversion and converts from the analog video signal to the digital video signal using a pixel clock.

The pixel clock for each mode is generated by the PLL.

The range of the pixel clock is from 25MHz to 135MHz.

This part consists of the Scaler, ADC convertor, TMDS receiver and LVDS transmitter.

The Scaler gets the video signal converted analog to digital, interpolates input to 1280 X 1024 resolution signal and outputs 8-bit R, G, B signal to transmitter.

2. Power Part.

This part consists of the one 3.3V, and one 1.8V regulators to convert power which is provided 5V in Power board. 12V is provided for inverter, 5V is provided for LCD panel.

Also, 5V is converted 3.3V and 1.8V by regulator. Converted power is provided for IC in the main board.

The inverter converts from DC12V to AC 700Vrms and operates back-light lamps of module.

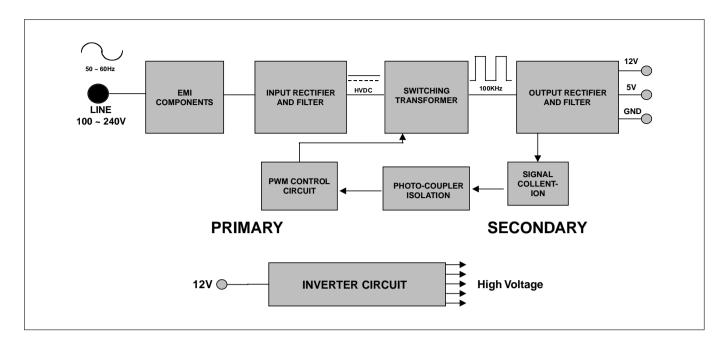
3. MICOM Part.

This part is include video controller part. And this part consists of EEPROM IC which stores control data, Reset IC and the Micom.

The Micom distinguishes polarity and frequency of the H/V sync are supplied from signal cable.

The controlled data of each modes is stored in EEPROM.

LIPS Board Block Diagram



Operation description_LIPS

1. EMI components.

This part contains of EMI components to comply with global marketing EMI standards like FCC,VCCI CISPR, the circuit included a line-filter, across line capacitor and of course the primary protection fuse.

2. Input rectifier and filter.

This part function is for transfer the input AC voltage to a DC voltage through a bridge rectifier and a bulk capacitor.

3. Energy Transfer.

This part function is for transfer the primary energy to secondary through a power transformer.

4. Output rectifier and filter.

This part function is to make a pulse width modulation control and to provide the driver signal to power switch, to adjust the duty cycle during different AC input and output loading condition to achieve the dc output stabilized, and also the over power protection is also monitor by this part.

5. Photo-Coupler isolation.

This part function is to feed back the DC output changing status through a photo transistor to primary controller to achieve the stabilized DC output voltage.

6. Signal collection.

This part function is to collect the any change from the DC output and feed back to the primary through photo transistor.

ADJUSTMENT

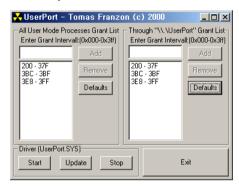
Windows EDID V1.0 User Manual

Operating System: MS Windows 98, 2000, XP Port Setup: Windows 98 => Don't need setup

Windows 2000, XP => Need to Port Setup.

This program is available to LCD Monitor only.

- 1. Port Setup
 - a) Copy "UserPort.sys" file to "c:\WINNT\system32\drivers" folder
 - b) Run Userport.exe

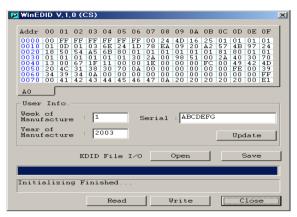


- c) Remove all default number
- d) Add 300-3FF

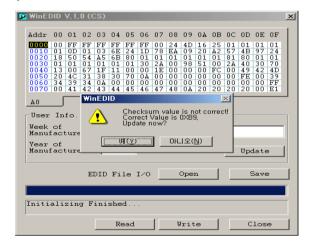


- e) Click Start button.
- f) Click Exit button.

- 2. EDID Read & Write
 - 1) Run WinEDID.exe



- 2) Edit Week of Manufacture, Year of Manufacture, Serial Number
 - a) Input User Info Data
 - b) Click "Update" button
 - c) Click "Write" button



SERVICE OSD

- 1) Turn off the power switch at the front side of the display.
- 2) Wait for about 5 seconds and press MENU, POWER switch with 1 second interval.
- 3) The SVC OSD menu contains additional menus that the User OSD menu as described below.
- a) Auto Color: W/B balance and Automatically sets the gain and offset value.
- b) NVRAM INIT: EEPROM initialize.(24C08)
- c) CLEAR ETI: To initialize using time.
- d) AGING: Select Aging mode(on/off).
- e) R/G/B-9300K: Allows you to set the R/G/B-9300K value manually.
- f) R/G/B-6500K: Allows you to set the R/G/B-6500K value manually.
- g) R/G/B-Offset: Allows you to set the R/G/B-Offset value manually.(Analog Only)
- h) R/G/B-Gain: Allows you to set the R/G/B-Gain value manually.(Analog Only)
- i) MODULE: To select applied module.

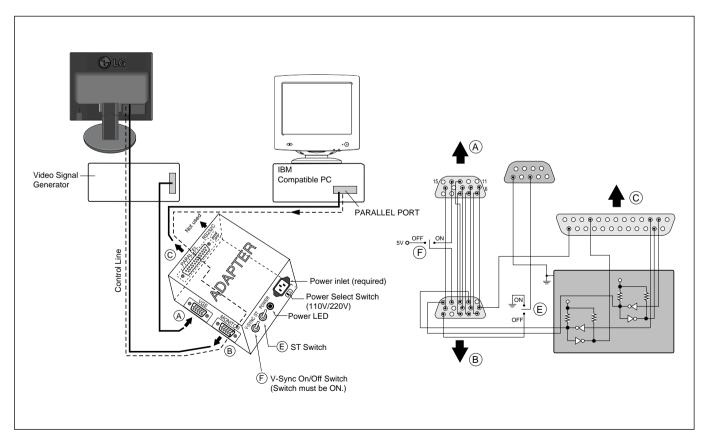
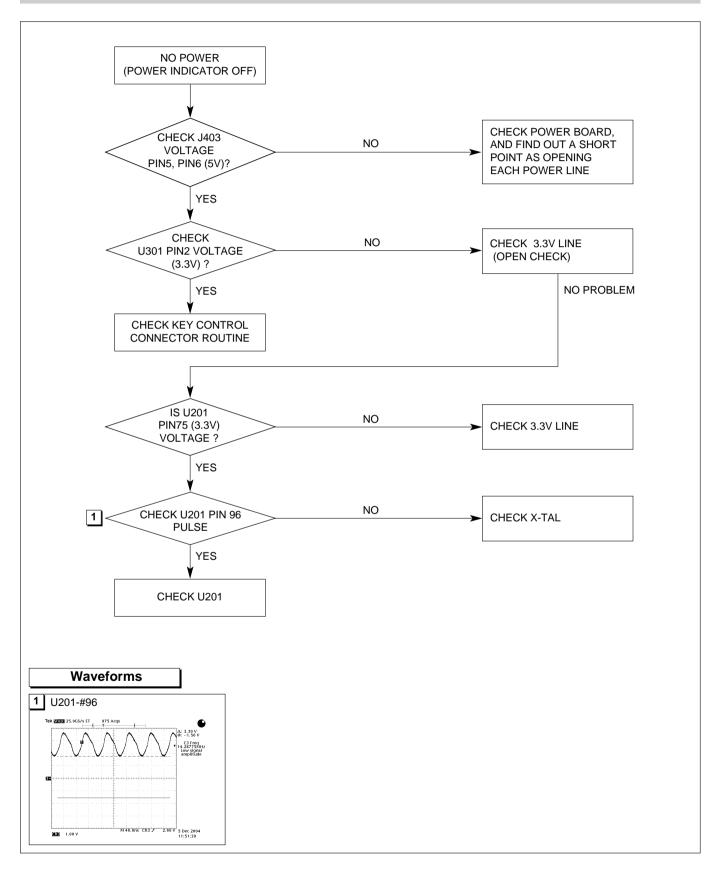


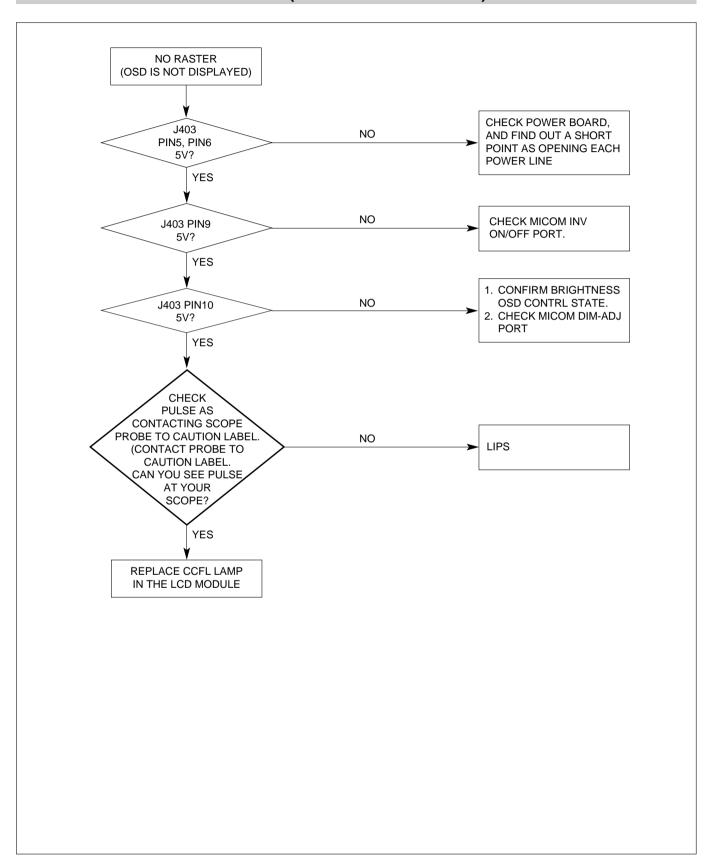
Figure 1. Cable Connection

TROUBLESHOOTING GUIDE

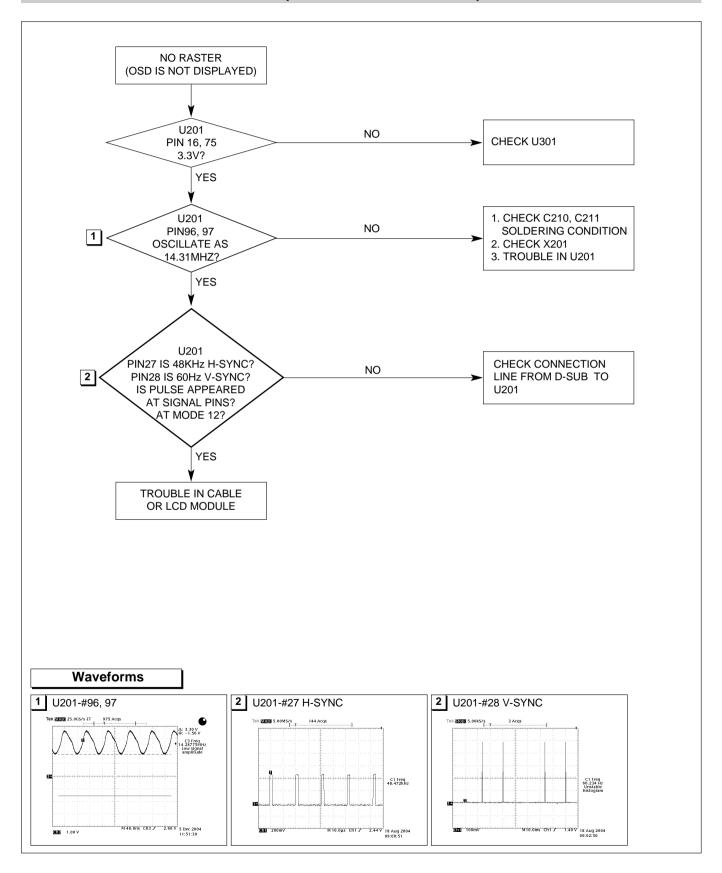
1. NO POWER



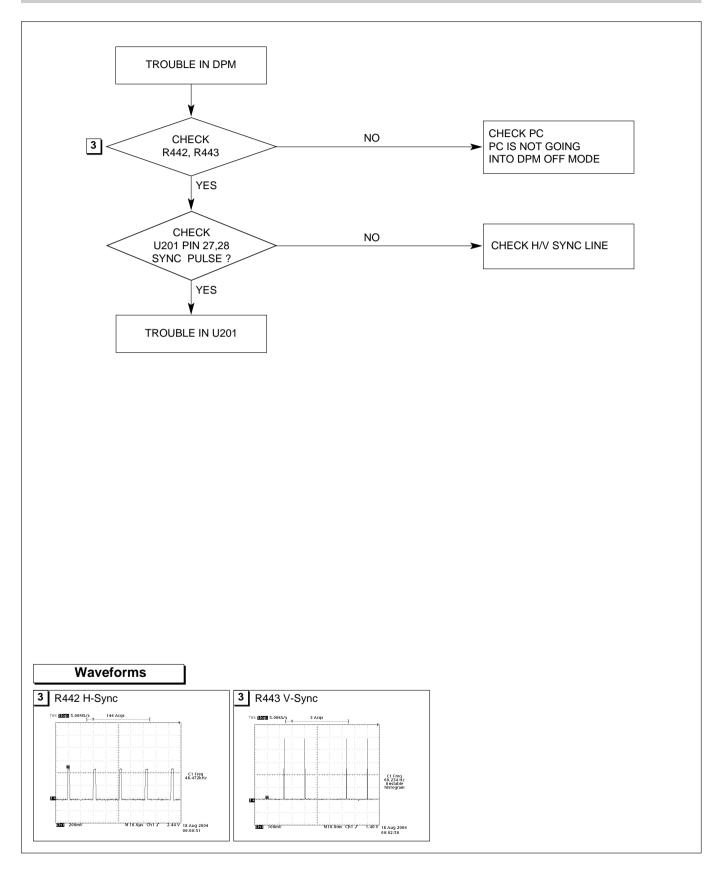
2. NO RASTER (OSD IS NOT DISPLAYED) - LIPS



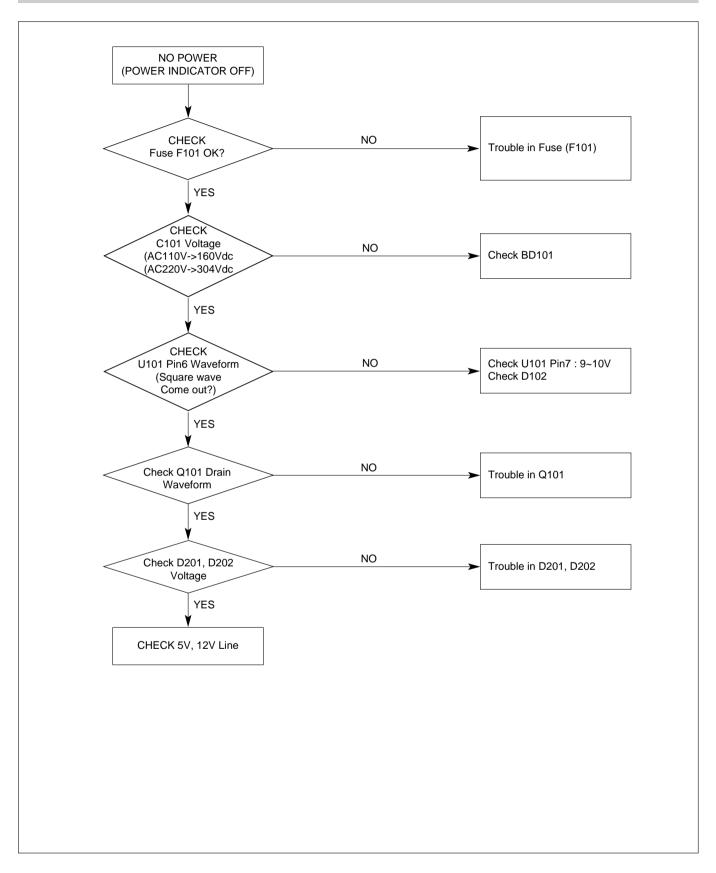
3. NO RASTER (OSD IS NOT DISPLAYED) - MSTAR



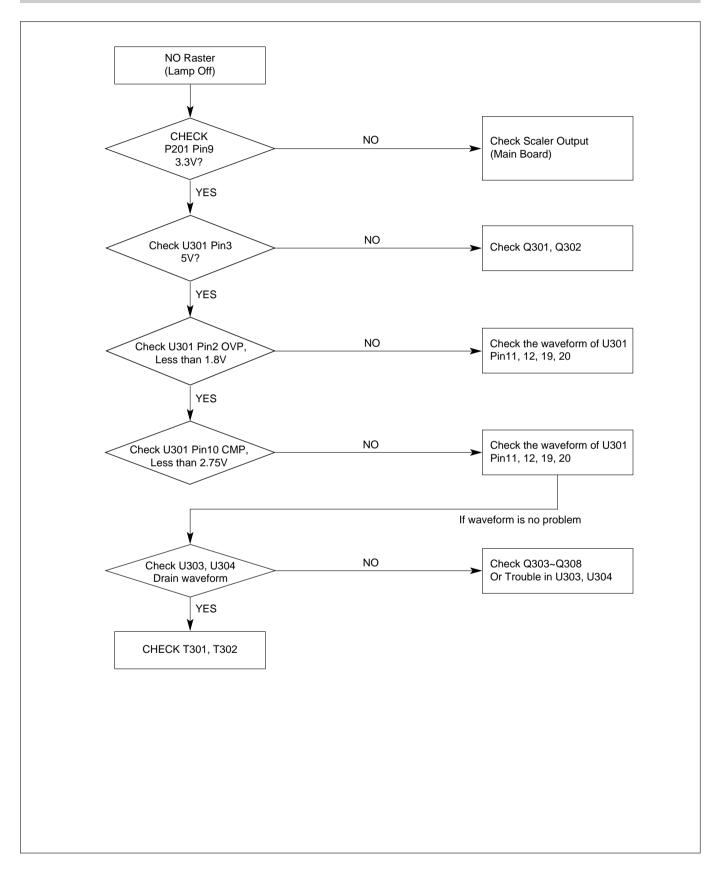
4. TROUBLE IN DPM



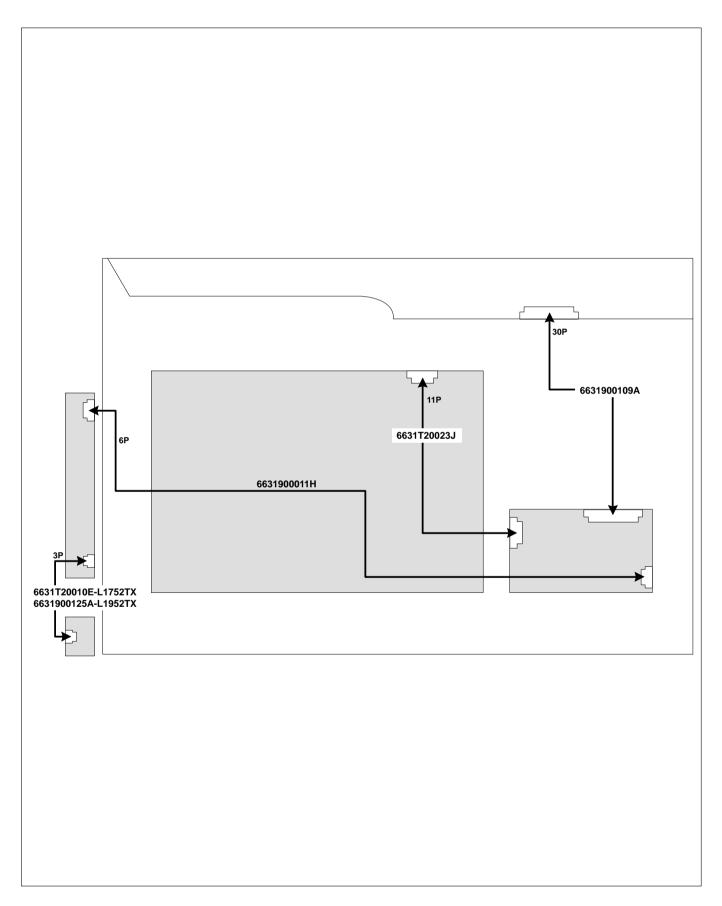
5. POWER



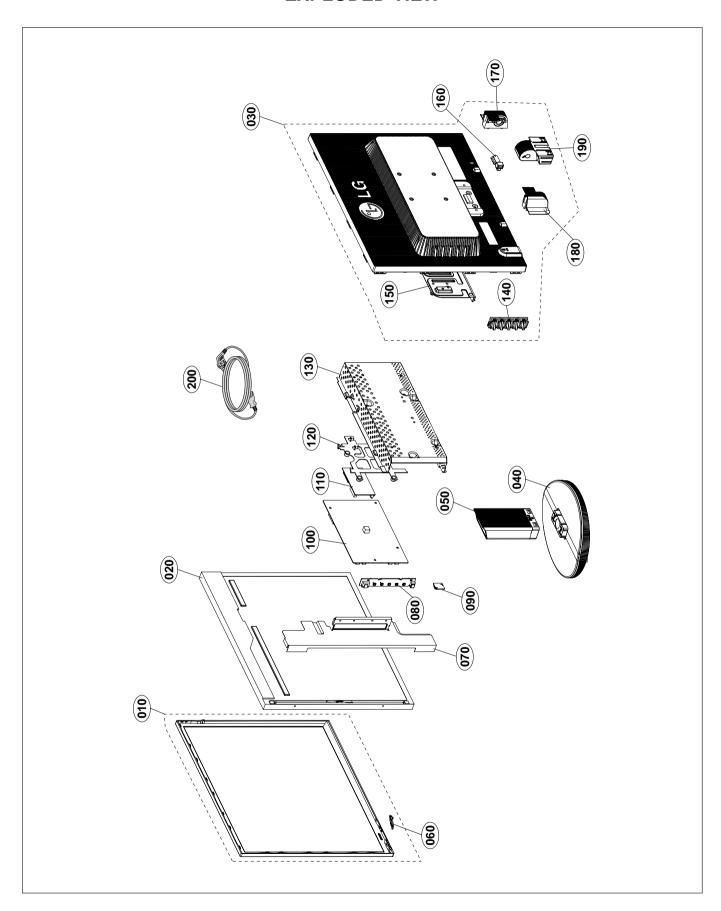
6. Raster



WIRING DIAGRAM



EXPLODED VIEW



EXPLODED VIEW PARTS LIST

* Note: Safety mark 🛕

Ref. No.	Part No.		Description
010	30919C0018L	Δ	CABINET ASSEMBLY, L1752T BRAND 30909C0006 CABINET ASSY+SILVER+PCABS+DUAL
	30919C0018M		CABINET ASSEMBLY, L1752T BRAND 30909C0006 CABINET ASSY+BLACK+PCABS+DUAL
	30919C0019J		CABINET ASSEMBLY, L1952T BRAND 30909C0007 CABINET ASSY-SILVER -DUAL+PC ABS
	30919C0019K		CABINET ASSEMBLY, L1952T BRAND 30909C0007 CABINET ASSY-BLACK -DUAL+PC ABS
020	6304FLP278A	Δ	LCD(LIQUID CRYSTAL DISPLAY), LM170E01-TLB1 LG PHILPS TFT COLOR P5,645CH,300NITS,8MS,700/1,LPL NJ/KUMI,PB FREE,EGI,OKI S D-IC,EGI,
	6304FAU012F		LCD(LIQUID CRYSTAL DISPLAY), M170EG01-V9(V3) AUO TFT COLOR SXGA 400NITS 8MS GLARE PSWG
	6304FLP310A		LCD(LIQUID CRYSTAL DISPLAY), LM190E03-TLB5 LG PHILPS TFT COLOR P4,645CH,300NITS,TN,8MS,LPL KUMI,PB FREE,EGI,OKI S D-IC,SXGA,LVDS
	6304FAU013H		LCD(LIQUID CRYSTAL DISPLAY), M190EN04-V5 AUO TFT COLOR TN 270 NITS 8MS LVDS SXGA 4 CCFL
030	3809900177N	Δ	BACK COVER ASSEMBLY, L1752T NON BACK COVER ASSY PC+ABS MODULE-LPL-DUAL
	3809900177Q		BACK COVER ASSEMBLY, L1752T NON BACK COVER ASSY PC+ABS MODULE-AUO-DUAL
	3809900178K		BACK COVER ASSEMBLY, L1952T NON BACK COVER MODULE-LPL-DUAL
	3809900178M		BACK COVER ASSEMBLY, L1952T NON BACK COVER MODULE-AUO-DUAL
040	3043900041A	Δ	TILT SWIVEL ASSEMBLY, LX52 35509K0241 STAND BASE ASSY
050	35509K0245A		COVER, L1752S STAND BODY .
	35509K0246A		COVER, L1952S STAND BODY .
060	3520900038A		INDICATOR, LED&PRE AMP LX52 PMMA NON LED LENS
070	49509K0266A		METAL, SHIELD LX52 LAMP-L1752TX
	49509K0267A		METAL, SHIELD L1952 LAMP
080	68719STA24C		PWB(PCB) ASSEMBLY,SUB, SUB T.T LM57A LX52 KXRDQPT NT CKD CONTROL-L1752TX
	68719STA24D		PWB(PCB) ASSEMBLY,SUB, SUB T.T LM57A L1919S KXRDQPT NT CKD CONTROL
090	0DLLT0089AA		LED, LITEON LTL-1BEDJ-0C2 TP GREEN/YELLOW 19MCD
100	68719PT298A	Δ	PWB(PCB) ASSEMBLY,POWER, POWER T.T LM57A L1752S KNRDQPT TOTAL
	or 6709900027A		POWER SUPPLY ASSEMBLY, FREE L1752 LCD LC/YY/LGIT BIKAL
110	33139L7033C		MAIN TOTAL ASSEMBLY, L1752T-BFQ.KXRDQPT NT CKD TSUM56AWL BRAND LM57B
	33139L9041C		MAIN TOTAL ASSEMBLY, L1952T-BFQ.KXRDQPT NT CKD BRAND LM57B TSUM56AWL
120	35509K0247A		COVER, LX52 PIECE COVER VESA
130	49509S0034B		METAL, SHIELD LX52 REAR SHIELD-DUAL
140	4940900022B		KNOB, MAIN 5KEY LX52 TACK KNOB ADD SOURCE PRINTING
150	49509K0262A		METAL, SUPPORT L1752 BRACKET
	49509K0263A		METAL, SUPPORT L1952S BRACKET
160	49519K0137A		METAL ASSEMBLY, STAND HINGE ASSY 17 INCH
170	35509K0242A		COVER, LX52 HINGE R
180	35509K0243A		COVER, LX52 HINGE L
190	35509K0244A		COVER, LX52 HINGE COVER BODY
200	6410TUW008B		POWER CORD, LP31+LS13 LONGWELL UL/CSA 1870MM WALL CD/PB FREE 85964 SILVER
	6410TUW008A		POWER CORD, LP31+LS13 LONGWELL UL/CSA 1870MM WALL CD/PB FREE BLACK-LPL
	64109UP002A		POWER CORD, DTII-3P-11+DTII-3P-04 HONGCHANG UL/CSA 1870MM PLUG BLACK-AUO

REPLACEMENT PARTS LIST

CAUTION: BEFORE REPLACING ANY OF THESE COMPONENTS, READ CAREFULLY THE SAFETY PRECAUTIONS IN THIS MANUAL.

* NOTE : S SAFETY Mark A AL ALTERNATIVE PARTS

	* ^ !	1.00 110	DADTNO	DATE: 2006. 02. 08.	**	* ^ 1	1.0
S		LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	*S	*AL	LO
		AIN BOA					02/
	С	APACITO	DRS				C30
		C101	0CZZ9ST017A	AL EL CAPACITOR 100UF 450V 2			C30
		C102	0CK22201510	2200PF D 1KV 10% B(Y5P) R			C30
		C102	0CZZ9ST014A	AL EL CAPACITOR 33UF 50V 20%			C30
		C104	0CH5271K416	270PF 2012 50V 5% NP0 R/TP			C3
		C105	0CZZ9ST013A	AL EL CAPACITOR 0.47UF 50V 2			C3
		C106	0CK222DK4DA	2200PF 2012 50V 5% COG R/TP			C3
		C107	0CK1040K945	"0.1UF D 50V 80%,-20% F(Y5V)"			C3
		C201	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R			C3
		C201	0CKZTTA002E	EKR3A102K09FK5 SAMWHA 1KV 10			C32
		C202	0CZZ9ST021A	AL EL CAPACITOR 1000UF 25V 2			C40
		C203	0CK473CK56A	47000PF 1608 50V 10% R/TP X7			C40
		C203	0CZZ9ST020A	AL EL CAPACITOR 680UF 25V 20			C40
		C204	0CK473CK56A	47000PF 1608 50V 10% R/TP X7			C40
		C204	0CZZ9ST018A	AL EL CAPACITOR 1000UF 16V 2			C40
		C205	0CK473CK56A	47000PF 1608 50V 10% R/TP X7			C40
		C205	0CZZ9ST018A	AL EL CAPACITOR 1000UF 16V 2			C40
		C206	0CK473CK56A	47000PF 1608 50V 10% R/TP X7			C40
		C206	0CZZ9ST021A	AL EL CAPACITOR 1000UF 25V 2			C40
		C207	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0			C4
		C207	0CZZ9ST019A	AL EL CAPACITOR 470UF 25V 20			C4
		C208	0CK473CK56A	47000PF 1608 50V 10% R/TP X7			C4
		C208	0CKZTTA002B	330PF 1KV K R TP5.0 TAPING .			C4
		C209	0CK473CK56A	47000PF 1608 50V 10% R/TP X7			C4
		C210	0CC220CK41A	22PF 1608 50V 5% R/TP NP0			C4
		C210	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP			C4
		C211	0CC220CK41A	22PF 1608 50V 5% R/TP NP0			C4
		C213	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R			C4
		C215	0CE106CF638	"10UF SHL,SD 16V M FM5 TP 5"			C4
		C216	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R			C4
		C217	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R			C4
		C218	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R			C4
		C219	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R			C4
		C220	0CK104CK56A 0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R			C4
		C221		0.1UF 1608 50V 10% R/TP X7R			C4
		C222 C223	0CK104CK56A 0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R 0.1UF 1608 50V 10% R/TP X7R			C4
		C223	0CK104CK56A	0.1UF 1608 50V 10% R/TP X/R			C4
		C225	0CK104CK56A	0.1UF 1608 50V 10% R/TP X/R			C42
		C226	0CK104CK56A	0.1UF 1608 50V 10% R/TP X/R			C42
		C227	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R			C42
		C228	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R			C42
		C229	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R			C42
		C230	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R			C42
		C301	0CE107EF610	"100UF KMG,RD 16V 20% FL BULK"			C42
		C301	0CZZTCT006D	C3216X7R1E225M TDK 25V 2.2UF			C42
		C302	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y			C42
		C303	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0			СХ
		C303	0CZZTCT006D	C3216X7R1E225M TDK 25V 2.2UF			CY
		C304	0CK105CD56A	1UF 1608 10V 10% R/TP X7R			CY
		C304	0CZZTCT006D	C3216X7R1E225M TDK 25V 2.2UF			CY
			00540755040	#400UE KAO DD 40\/ 000/ EL DUUK!		1	1
		C305	0CE107EF610	"100UF KMG,RD 16V 20% FL BULK"			

				DATE COOK OF CO
*0	+ A I	1.00.110	DARTHO	DATE: 2006. 02. 08.
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		0000	00547755000	470115 1/A4O 40) / A4 FA45 TD 5
		C306	0CE477EF638	470UF KMG 16V M FM5 TP 5
		C306	0CK224DH56A	0.22UF 2012 25V 10% R/TP X7R
		C307	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C308	0CK105DH56A	1UF 2012 25V 10% X7R R/TP
		C309	0CK224DH56A	0.22UF 2012 25V 10% R/TP X7R
		C310	0CK105DH56A	1UF 2012 25V 10% X7R R/TP
		C313	0CH2393K516	39000PF 50V 10% B(Y5P) 2012
		C314	0CK152DK51A	1500PF 2012 50V 10% B(Y5P) R
		C315	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C317	0CH5221K416	220PF 50V 5% NP0 2012 R/TP
		C320	0CZZTCT006D	C3216X7R1E225M TDK 25V 2.2UF
		C402	0CK22201510	2200PF D 1KV 10% B(Y5P) R
		C403	0CZZ9ST028A	CERAMIC DISK 10PF 6KV 5% TR
		C404	0CH2153K516	15000PF 50V 10% B(Y5P) 2012
		C405	0CK22201510	2200PF D 1KV 10% B(Y5P) R
		C406	0CZZ9ST028A	CERAMIC DISK 10PF 6KV 5% TR
		C407	0CH2153K516	15000PF 50V 10% B(Y5P) 2012
		C408	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
		C409	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
		C409	0CK22201510	2200PF D 1KV 10% B(Y5P) R
		C410	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C410	0CZZ9ST028A	CERAMIC DISK 10PF 6KV 5% TR
		C411	0CK105CD56A	1UF 1608 10V 10% R/TP X7R
		C411	0CH2153K516	15000PF 50V 10% B(Y5P) 2012
		C412	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
		C412	0CK22201510	2200PF D 1KV 10% B(Y5P) R
		C413	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
		C413	0CZZ9ST028A	CERAMIC DISK 10PF 6KV 5% TR
		C414	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
		C414	0CH2153K516	15000PF 50V 10% B(Y5P) 2012
		C415	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C415	0CH2222K516	2200PF 50V 10% B(Y5P) 2012 R
		C416	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C417	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C417	0CH2222K516	2200PF 50V 10% B(Y5P) 2012 R
		C418	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C418	0CH2222K516	2200PF 50V 10% B(Y5P) 2012 R
		C419	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C419	0CH2222K516	2200PF 50V 10% B(Y5P) 2012 R
		C420 C421	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		-	0CK104CK56A	0.1UF 1608 50V 10% R/TP X/TP
		C422	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C423	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C424	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C425	0CC680CK41A	68PF 1608 50V 5% R/TP NP0
		C426	0CC680CK41A	68PF 1608 50V 5% R/TP NP0
		C427	0CC680CK41A	68PF 1608 50V 5% R/TP NP0
		C428	0CC680CK41A	68PF 1608 50V 5% R/TP NP0
		CX101	0CZZ9ST025A	FILM CAPACITOR 0.47UF 275V 1
		CY101 CY102	0CZZ9ST024A 0CZZ9ST024A	"Y CAPACITOR 100PF 250V 10%,-"
		CY102 CY104	0CZZ9ST024A 0CZZ9ST023A	"Y CAPACITOR 100PF 250V 10%,-"
		OT 104	UCZZ901UZ3A	"Y CAPACITOR 4700PF 250V 20%,"

			DATE: 2006. 02. 08.
*S	*AL LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
	DIODEs		
	BD101	0DRTW00121A	D2SB60-1121 TIWAN SEMI ST GB
	D101	0DRGF00354A	UF4007(GPP) GULF TAPING52 DO
	D102 D103	0DRGF00354A 0DSGF00019A	UF4007(GPP) GULF TAPING52 DO 1N4148 GULF TP DO35 100V 0.1
	D103	0DSGD00048A	MM4148 GRANDE REEL TAPING LL
	D300	0DSDI00038A	"BAV99-(F),LF DIODES R/TP SOT"
	D402	0DSDI00038A	"BAV99-(F),LF DIODES R/TP SOT"
	D403	0DSDI00038A	"BAV99-(F),LF DIODES R/TP SOT"
	D404	0DSDI00038A	"BAV99-(F),LF DIODES R/TP SOT"
	D405	0DS226009AA	KDS226 TP KEC - 80V 4NSE
	D405	0DSDI00038A	"BAV99-(F),LF DIODES R/TP SOT"
	D406	0DS226009AA	KDS226 TP KEC - 80V 4NSE
	D406	0DSDI00038A	"BAV99-(F),LF DIODES R/TP SOT"
	D407	0DS226009AA	KDS226 TP KEC - 80V 4NSE
	D407	0DSDI00038A	"BAV99-(F),LF DIODES R/TP SOT"
	D408	0DS226009AA	KDS226 TP KEC - 80V 4NSE
	D408	0DSDI00038A	"BAV99-(F),LF DIODES R/TP SOT"
	D409 D410	0DS226009AA 0DS226009AA	KDS226 TP KEC - 80V 4NSE KDS226 TP KEC - 80V 4NSE
	D410	0DS226009AA 0DS226009AA	KDS226 TP KEC - 80V 4NSE KDS226 TP KEC - 80V 4NSE
	D411	0DS226009AA 0DS226009AA	KDS226 TP KEC - 80V 4NSE KDS226 TP KEC - 80V 4NSE
	D413	0DD184009AA	KDS184 TP KEC - 85V 30
	D416	0DS226009AA	KDS226 TP KEC - 80V 4NSE
	D417	0DS226009AA	KDS226 TP KEC - 80V 4NSE
	D418	0DS226009AA	KDS226 TP KEC - 80V 4NSE
	D420	0DSON00138A	"MMBD301LT1G,LF ON SEMI R/TP"
	ZD101	0DZ330009CC	MTZJ3.3B TP ROHM-K DO34 - 3.
	ZD301	0DZGD00128A	ZMM5231B GRANDE REEL TAPING
	ZD406	0DZ560009GB	"BZT52C5V6S-(F),LF DIODES R/T"
	ZD407	0DZ560009GB	"BZT52C5V6S-(F),LF DIODES R/T"
	ZD409	0DZ560009GB	"BZT52C5V6S-(F),LF DIODES R/T"
	ZD410	0DZ560009GB	"BZT52C5V6S-(F),LF DIODES R/T"
	ZD411	0DZ560009GB	"BZT52C5V6S-(F),LF DIODES R/T"
	ZD412 ZD414	0DZ560009GB 0DZ560009GB	"BZT52C5V6S-(F),LF DIODES R/T" "BZT52C5V6S-(F),LF DIODES R/T"
	ZD414 ZD415	0DZ560009GB	"BZT52C5V6S-(F),LF DIODES R/T"
	20413	0D2300009GB	BZ152C5V63-(F),LF DIODES R/1
	ICs		
	U101	0IPMG78425A	FAN7601 FAIRCHILD DIP-8P BUL
	U201	0IPRP00705A	FE2031-LF(TSUM56AWL) MSTAR 1
	U201 U202	0IPMG78424A 0IZZ9H0202A	"AZ431-A BCD 3P,TO-92 TAPING" 0IMMR00004B SST SOIC 8 PIN F
	U202	0ISG240860B	"M24C08WMN6T(P),LF SGS-THOMSO"
	U301	0IPMGA0010A	AZ1117H-3.3 AAC SOT-223 3P R
	U301	0IPMG78426A	OZL68GN O2MICRO 20P SOP BULK
	U303	0IPMG00049A	"AZ1117H-1.8TRE1(EH13A),LF BC"
	U304	0IMMRSG036A	"M24C02-WMN6T(P),LF SGS-THOMS"
		OREs & FILTER	
	COILS & C	ONES & FILIEK	.5
	L202	61409B0009A	HL-1520S JEONGSAN 7.0UH 25%
	FB101	6210TCE003G	BRS3550B BO SUNG 3550MM RADI
	LF101	6200J000154	13.0*710*23680 SAMWAH BULK L
	TRANSIST	OR	
	Q201	0TR390409AE	FAIRCHILD KST3904(LGEMTF) TP
	Q301	0TR144009AI	DTA144EK CHIP TP ROHM
	Q302	0TR144009AH	DTC144EK CHIP TP ROHM
	Q303	0TRKE80046A	2N3904S KEC R/TP SOT23 60V 2

				DATE: 2006. 02. 08.
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		Q304	0TR390609DC	2N3906S-RTK KEC REEL TAPING
		Q305	0TFDI80001A	2N7002 DIODES R/TP SOT23 60V
		Q306	0TFDI80001A	2N7002 DIODES R/TP SOT23 60V
		Q307	0TR390609DC	2N3906S-RTK KEC REEL TAPING
		Q308	0TRKE80046A	2N3904S KEC R/TP SOT23 60V 2
		Q401	0TR390609FA	FAIRCHILD KST3906-MTF TP SOT
		Q402	0TR390609FA	FAIRCHILD KST3906-MTF TP SOT
		U302	0TFVI80067A	SI3865BDV(E3) VISHAY R/TP TS
		U303	0TFAN00001A	AP4511GD ADVANCED POWER ELEC
		U304	0TFAN00001A	AP4511GD ADVANCED POWER ELEC
	R	ESISTOR	Rs	
		R101	0RJ4703G676	470K OHM 1/4 W 5% 3216 R/TP
		R102	0RJ6801E472	6800 OHM 1/8 W 1% 2012 R/TP
		R103	0RH1004D622	1M OHM 1 / 10 W 2012 5.00% D
1		R104	0RH1001D622	1K OHM 1 / 10 W 2012 5.00% D
1		R105	0RD0912Q609	91 OHM 1/4 W (3.4) 5% TA52
		R106	0RH2201D622	2.2K OHM 1 / 10 W 2012 5.00%
		R107	0RD8203A609	820K OHM 1/2 W(7.0) 5.00% TA
1		R108	0RD4702A609	47K OHM 1/2 W(7.0) 5.00% TA5
1		R109	0RX0560J609	0.56OHM 1 W 5% TA52
		R110	0RX1003K607	100KOHM 2 W 5% TA62
		R111	0RD0471Q609	4.70 1/4W(3 5% TA52
		R112	0RJ1302E472	13K OHM 1/8 W 1% 2012 R/TP
		R115	0RJ4703G676	470K OHM 1/4 W 5% 3216 R/TP
		R116	0RJ4703G676	470K OHM 1/4 W 5% 3216 R/TP
		R117	0RH2403D622	240K OHM 1 / 10 W 2012 5.00%
		R118	0RH2403D622	240K OHM 1 / 10 W 2012 5.00%
		R201	0RJ0562D677	56 OHM 1/10 W 5% 1608 R/TP
		R202	0RJ0562D677	56 OHM 1/10 W 5% 1608 R/TP
		R202	0RX0242K665	24 OHM 2 W 5% SF
		R203	0RJ0562D677	56 OHM 1/10 W 5% 1608 R/TP
		R204	0RJ0562D677	56 OHM 1/10 W 5% 1608 R/TP
		R204	0RN3002F409	30K OHM 1/6 W 1.00% TA52
		R205	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R205	0RN2201F409	2.2K OHM 1/6 W 1.00% TA52
		R206	0RJ0562D677	56 OHM 1/10 W 5% 1608 R/TP
		R206	0RJ1601E472	1.6K OHM 1/8 W 1% 2012 R/TP
		R207	0RJ0562D677	56 OHM 1/10 W 5% 1608 R/TP
1		R207	0RH1001D622	1K OHM 1 / 10 W 2012 5.00% D
		R208	0RH6800D622	680 OHM 1 / 10 W 2012 5.00%
		R209	0RH1001D622	1K OHM 1 / 10 W 2012 5.00% D
1		R211	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R211	0RJ1001G476	1K OHM 1/4 W 1% 3216 R/TP
		R212	0RJ3900D677	390 OHM 1/10 W 5% 1608 R/TP
1		R213	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R215	0RJ2002D677	20000 OHM 1/10 W 5% 1608 R/T
		R216	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
1		R217	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R218	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R219	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
1		R222	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R223	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R224	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
1		R225	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
1		R226	0RJ0332D677	33 OHM 1/10 W 5% 1608 R/TP
		R227	0RJ0332D677	33 OHM 1/10 W 5% 1608 R/TP
		R228	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
1		R231	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R232	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R234	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP

				DATE: 2006.	02. 08
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	02. 00
		Door	00147040077	4 71/ OLINA 4/40 IN FOX 4000 D.T.D.	
		R235 R301	0RJ4701D677 0RD1001Q609	4.7K OHM 1/10 W 5% 1608 R/TP 1K OHM 1/4 W(3.4) 5.00% TA52	
		R302	0RJ5600D677	560 OHM 1/10 W 5% 1608 R/TP	
		R303	0RJ2202D677	22K OHM 1/10 W 5% 1608 R/TP	
		R303	0RH0222D622	22 OHM 1 / 10 W 2012 5.00% D	
		R304	0RD1002Q609	10K OHM 1/4 W(3.4) 5.00% TA5	
		R305	0RJ4702D677	47000 OHM 1/10 W 5% 1608 R/T	
		R307	0RX0681K668	6.8 OHM 2 W 5% SF15	
		R308	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP	
		R309	0RN1502F409	15K OHM 1/6 W 1.00% TA52	
		R310	0RH1004D622	1M OHM 1 / 10 W 2012 5.00% D	
		R311	0RH1502D422	"15K , 1/10W 1% TP"	
		R313	0RJ6202E472	62K OHM 1/8 W 1% 2012 R/TP 2K OHM 1 / 10 W 2012 5.00% D	
		R315 R316	0RH2001D622 0RH2001D622	2K OHM 1 / 10 W 2012 5.00% D	
		R317	0RJ3303E472	330000 OHM 1/8 W 1% 2012 R/T	
		R318	0RJ1503E472	150K OHM 1/8 W 1% 2012 R/TP	
		R319	0RH1303D622	130K OHM 1 / 10 W 2012 5.00%	
		R320	0RH1502D422	"15K , 1/10W 1% TP"	
		R321	0RH1002D422	10K OHM 1/10 W 1% 2012 R/TP	
		R401	0RJ1001G476	1K OHM 1/4 W 1% 3216 R/TP	
		R402	0RJ1001G476	1K OHM 1/4 W 1% 3216 R/TP	
		R403	0RJ1001G476	1K OHM 1/4 W 1% 3216 R/TP	
		R404	0RJ1001G476	1K OHM 1/4 W 1% 3216 R/TP	
		R406	0RJ3600E472	360 OHM 1/8 W 1% 2012 R/TP	
		R407 R408	0RJ3600E472 0RJ3600E472	360 OHM 1/8 W 1% 2012 R/TP 360 OHM 1/8 W 1% 2012 R/TP	
		R409	0RJ3600E472	360 OHM 1/8 W 1% 2012 R/TP	
		R412	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP	
		R413	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP	
		R414	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP	
		R415	0RJ1200D677	120 OHM 1/10 W 5% 1608 R/TP	
		R416	0RJ1200D677	120 OHM 1/10 W 5% 1608 R/TP	
		R417	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP	
		R418	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP	
		R419	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP	
		R420 R422	0RJ2001D677 0RJ4701D677	2K OHM 1/10 W 5% 1608 R/TP 4.7K OHM 1/10 W 5% 1608 R/TP	
		R423	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP	
		R424	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP	
		R425	0RJ0122D677	12 OHM 1/10 W 5% 1608 R/TP	
		R426	0RJ0122D677	12 OHM 1/10 W 5% 1608 R/TP	
		R427	0RJ0122D677	12 OHM 1/10 W 5% 1608 R/TP	
		R428	0RJ0122D677	12 OHM 1/10 W 5% 1608 R/TP	
		R429	0RJ0122D677	12 OHM 1/10 W 5% 1608 R/TP	
		R430	0RJ0122D677	12 OHM 1/10 W 5% 1608 R/TP	
		R431	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP	
		R432	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP	
		R433 R434	0RJ4700D677 0RJ4701D677	470 OHM 1/10 W 5% 1608 R/TP 4.7K OHM 1/10 W 5% 1608 R/TP	
		R435	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP	
		R436	0RJ0332D677	33 OHM 1/10 W 5% 1608 R/TP	
	1	R437	0RJ0332D677	33 OHM 1/10 W 5% 1608 R/TP	
		R438	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP	
		R439	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP	
	1	R440	0RJ0332D677	33 OHM 1/10 W 5% 1608 R/TP	
		R441	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP	
	1	R442	0RJ0682D677	68 OHM 1/10 W 5% 1608 R/TP	
		R443	0RJ0682D677	68 OHM 1/10 W 5% 1608 R/TP	
		R444	0RJ0332D677	33 OHM 1/10 W 5% 1608 R/TP	
		R445 R446	0RJ0752D677 0RJ0752D677	75 OHM 1/10 W 5% 1608 R/TP 75 OHM 1/10 W 5% 1608 R/TP	
		11440	UNJU1J2D011	75 OF HVI 1/10 VV 5% 1000 R/1P	

				DATE: 2000, 00, 00
*S	*Δ1	LOC. NO.	PARTNO	DATE: 2006. 02. 08. DESCRIPTION / SPECIFICATION
3	AL	LOC. NO.	PART NO.	DESCRIPTION/SPECIFICATION
		D440	0D 10750D677	75 OLIM 4 /40 VM 50/ 4 600 D/TD
		R448 R450	0RJ0752D677 0RJ4701D677	75 OHM 1/10 W 5% 1608 R/TP 4.7K OHM 1/10 W 5% 1608 R/TP
		11450	01347010077	4.//CONWI/10 W 3/6 1000 K/1F
	C	THERS		
		F101	0FZZTTH001E	TIME LAG HBC 2153.15MXE(LEAD
		SC101	6620K00020A	HUAJIE AC UL/CSA 3PPIN BLACK
		T101	61709MC011A	EER3016 430UH LX52 LIPS SMPS
		T301	61709MC010A	EFD-2124 95UH INVERTER TRANS
		T302	61709MC010A	EFD-2124 95UH INVERTER TRANS
		TH101	6322A00035A	10D2-07 SEMITEC 10OHM 15% L1
		X201	6212AA2004F	HC-49U TXC 14.318 MHZ +/- 30
		CNTDOL	DOADD	
		ONTROL	. BUARD	
		R1	0RD7501Q609	7.50K 1/4W(3 5% TA52
		R2	0RD7501Q609	7.50K 1/4W(3 5% TA52 7.50K 1/4W(3 5% TA52
		R3	0RD1801Q609	1.8K OHM 1/4 W(3.4) 5.00% TA
		R4	0RD1201Q609	1.20K 1/4W(3 5% TA52
		R5	0RD1201Q609	1.20K 1/4W(3 5% TA52
		SW1	140-058E	SKHV10910B LGEC NON 12V 20A
		SW2	140-058E	SKHV10910B LGEC NON 12V 20A
		SW3	140-058E	SKHV10910B LGEC NON 12V 20A
		SW4	140-058E	SKHV10910B LGEC NON 12V 20A
		SW5	140-058E	SKHV10910B LGEC NON 12V 20A
		ZD1	0DZ560009AG	GDZJ5.6B TP GRANDE DO-34 500
		ZD2	0DZ560009AG	GDZJ5.6B TP GRANDE DO-34 500
		LED1	0DLLT0089AA	LITEON LTL-1BEDJ-0C2 TP GREE
		AAIN DO	, DD	
		APACITO		
		AFACITO	/1.0	
\triangle		C101	0CZZ9ST017A	AL EL CAPACITOR 100UF 450V 2
		C103	0CZZ9ST014A	AL EL CAPACITOR 33UF 50V 20%
		C104	0CH5271K416	270PF 2012 50V 5% NP0 R/TP
		C105	0CZZ9ST013A	AL EL CAPACITOR 0.47UF 50V 2
		C106	0CK222DK4DA	2200PF 2012 50V 5% COG R/TP
		C107	0CK1040K945	"0.1UF D 50V 80%,-20% F(Y5V)"
		C201	0CKZTTA002E	EKR3A102K09FK5 SAMWHA 1KV 10
		C202	0CZZ9ST021A	AL EL CAPACITOR 1000UF 25V 2
		C203	0CZZ9ST020A	AL EL CAPACITOR 680UF 25V 20
		C204	0CZZ9ST018A	AL EL CAPACITOR 1000UF 16V 2
		C205	0CZZ9ST018A	AL EL CAPACITOR 1000UF 16V 2
		C206	0CZZ9ST021A	AL EL CAPACITOR 1000UF 25V 2
		C207	0CZZ9ST019A	AL EL CAPACITOR 470UF 25V 20
		C208	0CKZTTA002B	330PF 1KV K R TP5.0 TAPING .
		C210	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C301	0CZZTCT006D	C3216X7R1E225M TDK 25V 2.2UF
		C303	0CZZTCT006D	C3216X7R1E225M TDK 25V 2.2UF
		C304	0CZZTCT006D	C3216X7R1E225M TDK 25V 2.2UF
		C305	0CZZTCT006D	C3216X7R1E225M TDK 25V 2.2UF
		C306	0CK224DH56A	0.22UF 2012 25V 10% R/TP X7R
		C307	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C308	0CK105DH56A	1UF 2012 25V 10% X7R R/TP
		C309	0CK224DH56A	0.22UF 2012 25V 10% R/TP X7R
		C310	0CK105DH56A	1UF 2012 25V 10% X7R R/TP
		C313	0CH2393K516	39000PF 50V 10% B(Y5P) 2012
1		C314	0CK152DK51A	1500PF 2012 50V 10% B(Y5P) R
		C315	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C247	0011500417440	220DE E0V E0V NIDO 2040 D/TD
		C317	0CH5221K416	220PF 50V 5% NP0 2012 R/TP
		C317 C320 C402	0CH5221K416 0CZZTCT006D 0CK22201510	220PF 50V 5% NP0 2012 R/TP C3216X7R1E225M TDK 25V 2.2UF 2200PF D 1KV 10% B(Y5P) R

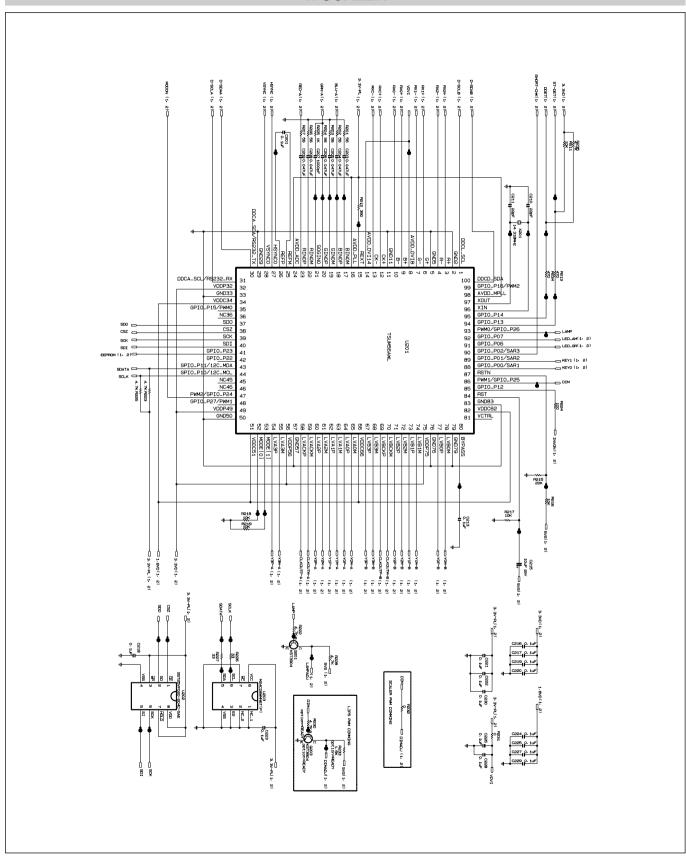
S FAL LOC. NO. PART NO. DESCRIPTION / SPECIFICATION C403 0CZZ9ST028A CERAMIC DISK 10PF 6KV 5% TR C404 0CH2153K516 15000PF 50V 10% B(Y5P) 2012 C405 0CK22201510 2200PP D 1KV 10% B(Y5P) R C406 0CZZ9ST028A CERAMIC DISK 10PF 6KV 5% TR C409 0CK22201510 15000PF 50V 10% B(Y5P) 2012 C410 0CZ2SST028A CERAMIC DISK 10PF 6KV 5% TR C411 0CH2153K516 15000PF 50V 10% B(Y5P) 2012 C412 0CK22201510 2200PF D 1KV 10% B(Y5P) 2012 C413 0CZ2SST028A CERAMIC DISK 10PF 6KV 5% TR C414 0CH2153K516 15000PF 50V 10% B(Y5P) 2012 C415 0CH2222K516 2200PF 50V 10% B(Y5P) 2012 R C417 0CH2222K516 2200PF 50V 10% B(Y5P) 2012 R C419 0CH2222K516 2200PF 50V 10% B(Y5P) 2012 R C410 0CZ2SST024A "Y CAPACITOR 100PF 250V 10%." CY101 0CZ2SST024A "Y CAPACITOR 100PF 250V 10%." CY104 0CZ2SST024A "Y CAPACITOR 100PF 250V 10%." CY105					DATE: 2006. 02. 08.
C404 OCH2153K516 15000PF 50V 10% B(Y5P) 2012 C406 OCZ2201510 2200PF D 1KV 10% B(Y5P) R C407 OCH2153K516 15000PF 50V 10% B(Y5P) 2012 C409 OCK22201510 2200PF D 1KV 10% B(Y5P) R C410 OCZ29ST028A CERAMIC DISK 10PF 6KV 5% TR C411 OCH2153K516 15000PF 50V 10% B(Y5P) 2012 C412 OCK22201510 2200PF D 1KV 10% B(Y5P) 2012 C413 OCZ29ST028A CERAMIC DISK 10PF 6KV 5% TR C414 OCH2222K516 2200PF 50V 10% B(Y5P) 2012 R C415 OCH2222K516 2200PF 50V 10% B(Y5P) 2012 R C417 OCH2222K516 2200PF 50V 10% B(Y5P) 2012 R C419 OCH2222K516 2200PF 50V 10% B(Y5P) 2012 R C419 OCH2222K516 2200PF 50V 10% B(Y5P) 2012 R CY101 OCZ29ST025A FILM CAPACITOR 0.47UF 275V 1 CY102 OCZ29ST024A "Y CAPACITOR 100PF 250V 10%." CY104 OCZ29ST023A "Y CAPACITOR 100PF 250V 10%." CY102 OCZ29ST023A "Y CAPACITOR 4700PF 250V 20%." D10DEs D10DEs TAPACI	*S	*AL	LOC. NO.	PART NO.	
C404 OCH2153K516 15000PF 50V 10% B(Y5P) 2012 C406 OCZ2201510 2200PF D 1KV 10% B(Y5P) R C407 OCH2153K516 15000PF 50V 10% B(Y5P) 2012 C409 OCK22201510 2200PF D 1KV 10% B(Y5P) R C410 OCZ29ST028A CERAMIC DISK 10PF 6KV 5% TR C411 OCH2153K516 15000PF 50V 10% B(Y5P) 2012 C412 OCK22201510 2200PF D 1KV 10% B(Y5P) 2012 C413 OCZ29ST028A CERAMIC DISK 10PF 6KV 5% TR C414 OCH2222K516 2200PF 50V 10% B(Y5P) 2012 R C415 OCH2222K516 2200PF 50V 10% B(Y5P) 2012 R C417 OCH2222K516 2200PF 50V 10% B(Y5P) 2012 R C419 OCH2222K516 2200PF 50V 10% B(Y5P) 2012 R C419 OCH2222K516 2200PF 50V 10% B(Y5P) 2012 R CY101 OCZ29ST025A FILM CAPACITOR 0.47UF 275V 1 CY102 OCZ29ST024A "Y CAPACITOR 100PF 250V 10%." CY104 OCZ29ST023A "Y CAPACITOR 100PF 250V 10%." CY102 OCZ29ST023A "Y CAPACITOR 4700PF 250V 20%." D10DEs D10DEs TAPACI					
C405 OCK22201510 2200PF D 1KV 10% B(Y5P) R C406 OCZ2SST028A CERAMIC DISK 10PF 6KV 5% TR C407 OCH2153K516 15000PF 50V 10% B(Y5P) 2012 C409 OCK22201510 2200PF D 1KV 10% B(Y5P) R C410 OCZ2SST028A CERAMIC DISK 10PF 6KV 5% TR C411 OCK22201510 2200PF 50V 10% B(Y5P) 2012 C412 OCK22201510 2200PF 50V 10% B(Y5P) 2012 R C413 OCZZ9ST028A CERAMIC DISK 10PF 6KV 5% TR C414 OCH2222K516 2200PF 50V 10% B(Y5P) 2012 R C415 OCH2222K516 2200PF 50V 10% B(Y5P) 2012 R C417 OCH2222K516 2200PF 50V 10% B(Y5P) 2012 R C418 OCH2222K516 2200PF 50V 10% B(Y5P) 2012 R C419 OCH2222K516 2200PF 50V 10% B(Y5P) 2012 R CY101 OCZZ9ST025A "Y CAPACITOR 100PF 250V 10%." CY102 OCZZ9ST024A "Y CAPACITOR 100PF 250V 10%." CY104 OCZZ9ST024A "Y CAPACITOR 100PF 250V 20%." D10DEs D100 DRNH00140A PR107 DIODES TAPING52 DO41 D101 ODRNH00140A </td <td></td> <td></td> <td></td> <td></td> <td></td>					
C406 OCZZ9ST028A CERAMIC DISK 10PF 6KV 5% TR C407 OCH2153K5161 15000PF 50V 10% B(Y5P) 2012 C409 OCK222D1510 2200PF D 1KV 10% B(Y5P) R C410 OCZZ9ST028A CERAMIC DISK 10PF 6KV 5% TR C411 OCH2153K516 15000PF 50V 10% B(Y5P) 2012 C412 OCK222D1510 2200PF D 1KV 10% B(Y5P) 2012 C413 OCZ2SST028A CERAMIC DISK 10PF 6kV 5% TR C414 OCH2153K516 15000PF 50V 10% B(Y5P) 2012 R C415 OCH2222K516 2200PF 50V 10% B(Y5P) 2012 R C417 OCH2222K516 2200PF 50V 10% B(Y5P) 2012 R C419 OCH2222K516 2200PF 50V 10% B(Y5P) 2012 R CY101 OCZZ9ST024A "Y CAPACITOR 0.0PF 250V 10%." CY102 OCZZ9ST024A "Y CAPACITOR 100PF 250V 10%." CY104 OCZZ9ST024A "Y CAPACITOR 100PF 250V 20%." DIODEs DIODES PRI007 DIODES TAPING52 DO41 D103 ODSG00034A PR1007 DIODES TAPING52 DO41 D103 ODSG000044A PR1007 DIODES TAPING52 DO41 D401 ODSDI00038A PSAV99					` '
C407 OCH2153K516 15000PF 50V 10% B(Y5P) 2012 C409 OCK22201510 2200PF D 1KV 10% B(Y5P) R					` '
C409 OCK22201510 2200PF D 1KV 10% B(Y5P) R C410 OCZ29ST028A CERAMIC DISK 10PF 6KV 5% TR C411 OCH2153K516 15000PF 50V 10% B(Y5P) 2012 C412 OCK22201510 2200PF D 1KV 10% B(Y5P) R C413 OCZ29ST028A CERAMIC DISK 10PF 6KV 5% TR C414 OCH2153K516 15000PF 50V 10% B(Y5P) 2012 R C417 OCH2222K516 2200PF 50V 10% B(Y5P) 2012 R C418 OCH2222K516 2200PF 50V 10% B(Y5P) 2012 R C419 OCH2222K516 2200PF 50V 10% B(Y5P) 2012 R CY101 OCZ29ST024A "Y CAPACITOR 0.47LP 27SV 1 CY102 OCZ29ST024A "Y CAPACITOR 100PF 250V 10%." CY104 OCZ29ST023A "Y CAPACITOR 100PF 250V 10%." DIODES DIODES PR1007 DIODES TAPING52 DO41 D103 ODSGF00019A PR1007 DIODES TAPING52 DO41 D103 ODSGF00019A PR1007 DIODES TAPING52 DO41 D401 ODRNH00140A PCH10U15 NIHON INTER BULK TO D402 ODSDI00038A BAV99-(F),LF DIODES RTP SOT" D403 ODSDI00038A "BAV99-(F)					
C410 OCZZ9ST028A OCH2153K516 C412 CERAMIC DISK 10PF 6KV 5% TR 15000PF 50V 10% B(YSP) 2012 C412 OCK22201510 OCK22201510 2200PF D 1KV 10% B(YSP) 2012 C413 OCZZ9ST028A C414 CERAMIC DISK 10PF 6KV 5% TR 15000PF 50V 10% B(YSP) 2012 C414 OCH2222K516 OCH2222K516 2200PF 50V 10% B(YSP) 2012 R C418 CH2222K516 OCH2222K516 2200PF 50V 10% B(YSP) 2012 R C419 CV101 PC VEVEY PD 2012 R C419 CV101 PC VEVEY PD 2012 R OCZ29ST025A CY101 PLIM CAPACITOR 10PF 250V 10%,"P) 2012 R CY102 PLIM CAPACITOR 10PF 250V 10%,"P) 2012 R PLIM CAPACITOR 10PF 250V 10%," M CY101 OCZZ9ST024A PC CAPACITOR 10PF 250V 10%," "Y CAPACITOR 10PF 250V 10%," M CY102 OCZZ9ST024A PC CAPACITOR 10PF 250V 10%," "Y CAPACITOR 10PF 250V 10%," DIODES DIODES "Y CAPACITOR 10PF 250V 10%," DIODES "Y CAPACITOR 10PF 250V 20%," DIODES "Y CAPACITOR 10PF 250V 10%," DIODES "Y CAPACITOR 1					` '
C411 0CH2153K516 15000PF 50V 10% B(Y5P) 2012 C412 0CK22201510 2200PP D 1KV 10% B(Y5P) R C413 0CZZ9ST028A CERAMIC DISK 10PF 6kV 5% TR C414 0CH2153K516 15000PF 50V 10% B(Y5P) 2012 R C415 0CH2222K516 2200PF 50V 10% B(Y5P) 2012 R C419 0CH2222K516 2200PF 50V 10% B(Y5P) 2012 R C419 0CH2222K516 2200PF 50V 10% B(Y5P) 2012 R C4101 0CZZ9ST025A FILM CAPACITOR 0.47UF 275V 1 CY101 0CZZ9ST024A "Y CAPACITOR 100PF 250V 10%." CY104 0CZZ9ST023A "Y CAPACITOR 100PF 250V 10%." DIODES "Y CAPACITOR 100PF 250V 10%." DIODES DIODES TAPING52 DO41 DIO1 0DRTW00121A D2SB60-1121 TIWAN SEMI ST GB D101 0DRDI00234A PR1007 DIODES TAPING52 DO41 D103 0DSGF00019A 1N4148 GULF TP DO35 100V 0.1 D202 0DRNH00140A FCH10U15 NIHON INTER BULK TO D401 0DSDI00038A "BAV99-(F),LF DIODES RTP SOT" D403 0DSDI00038A "BAV99-(F),LF DIODES RTP SOT"					* *
C412 OCK22201510 2200PF D 1KV 10% B(Y5P) R C413 OCZ29ST028A CERAMIC DISK 10PF 6KV 5% TR C414 OCH2153K516 15000PF 50V 10% B(Y5P) 2012 C415 OCH222ZK516 2200PF 50V 10% B(Y5P) 2012 R C417 OCH222ZK516 2200PF 50V 10% B(Y5P) 2012 R C418 OCH222ZK516 2200PF 50V 10% B(Y5P) 2012 R C419 OCH222ZK516 2200PF 50V 10% B(Y5P) 2012 R CY101 OCZ29ST024A "Y CAPACITOR 0.0FY5P) 2012 R CY102 OCZ29ST024A "Y CAPACITOR 100PF 250V 10%." CY104 OCZ29ST023A "Y CAPACITOR 100PF 250V 10%." DIODES "Y CAPACITOR 100PF 250V 10%." DIODES DIODES "Y CAPACITOR 100PF 250V 20%." DIODES DIODES TAPING52 DO41 D101 ODRTIVO0121A D2SB60-1121 TIWAN SEMI ST GB PR1007 DIODES TAPING52 DO41 1N4148 GULF TP DO35 100V 0.1 D102 ODRDI000244A 1N4007/L DIODES TAPING52 DO41 D103 ODSGD00034A 1N44007/L DIODES TAPING52 DO41 D404 DDSGD00038A "BAV99-(F),LF DIODES RTP SOT" <					
C413 OCZZ9ST028A OCH2153K516 CERAMIC DISK 10PF 6kV 5% TR 15000PF 50V 10% B(YSP) 2012 C415 OCH2222K516 OCH222ZK516 2200PF 50V 10% B(YSP) 2012 R 2200PF 20V 10% B(YSP) 2012 R 2200PF 250V 10% B(YS			-		` '
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ZD101 0DZ330009CC MTZJ3.3B TP ROHM-K DO34 - 3. ZD301 0DZGD00128A ZMM5231B GRANDE REEL TAPING ★ Q101 0TF760000AD SSS7N60B FAIRCHILD ST TO220F Q301 0TR144009AI DTA144EK CHIP TP ROHM Q302 0TR144009AH DTC144EK CHIP TP ROHM Q303 0TRKE80046A 2N3904S KEC R/TP SOT23 60V 2 Q304 0TR390609DC 2N3906S-RTK KEC REEL TAPING Q305 0TFDI80001A 2N7002 DIODES R/TP SOT23 60V Q307 0TR390609DC 2N3906S-RTK KEC REEL TAPING Q308 0TRKE80046A 2N3904S KEC R/TP SOT23 60V 2 Q308 0TRKE80046A 2N3904S KEC R/TP SOT23 60V 2 U101 0IPMG78425A FAN7601 FAIRCHILD DIP-8P BUL U201 0IPMG78426A OZL68GN O2MICRO 20P SOP BULK U303 0TFAN00001A AP4511GD ADVANCED POWER ELEC U304 0TFAN00001A AP4511GD ADVANCED POWER ELEC W 109 0IPMG78432A "LTV-817M-V(C) LITEON 4P, WID"					
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TRANSISTRO & ICs ⚠ Q101 0TF760000AD SSS7N60B FAIRCHILD ST TO220F Q301 0TR144009AI DTA144EK CHIP TP ROHM Q302 0TR144009AH DTC144EK CHIP TP ROHM Q303 0TRKE80046A 2N3904S KEC R/TP SOT23 60V 2 Q304 0TR390609DC 2N3906S-RTK KEC REEL TAPING Q305 0TFDI80001A 2N7002 DIODES R/TP SOT23 60V Q307 0TR390609DC 2N3906S-RTK KEC REEL TAPING Q308 0TRKE80046A 2N3904S KEC R/TP SOT23 60V 2 Q308 0TRKE80046A 2N3904S KEC R/TP SOT23 60V 2 U101 0IPMG78425A FAN7601 FAIRCHILD DIP-8P BUL U201 0IPMG78424A "AZ431-A BCD 3P,TO-92 TAPING" U303 0TFAN00001A AP4511GD ADVANCED POWER ELEC U304 0TFAN00001A AP4511GD ADVANCED POWER ELEC U304 0TFAN00001A AP4511GD ADVANCED POWER ELEC WASTOR POWER ELEC COMBON POWER ELEC U304 0TFAN00001A AP4511GD ADVANCED POWER ELEC WASTOR POWER ELEC COMBON POWER ELEC WASTOR POWER ELEC COMB					
⚠ Q101 0TF760000AD SSS7N60B FAIRCHILD ST TO220F Q301 0TR144009AI DTA144EK CHIP TP ROHM Q302 0TR144009AH DTC144EK CHIP TP ROHM Q303 0TRKE80046A 2N3904S KEC R/TP SOT23 60V 2 Q304 0TR390609DC 2N3906S-RTK KEC REEL TAPING Q305 0TFDI80001A 2N7002 DIODES R/TP SOT23 60V Q307 0TR390609DC 2N3906S-RTK KEC REEL TAPING Q308 0TRKE80046A 2N3904S KEC R/TP SOT23 60V 2 Q308 0TRKE80046A 2N3904S KEC R/TP SOT23 60V 2 U101 0IPMG78425A FAN7601 FAIRCHILD DIP-8P BUL U201 0IPMG78424A "AZ431-A BCD 3P,TO-92 TAPING" U301 0IPMG78426A OZL68GN O2MICRO 20P SOP BULK U303 0TFAN00001A AP4511GD ADVANCED POWER ELEC U304 0TFAN00001A AP4511GD ADVANCED POWER ELEC W D19 "LTV-817M-V(C) LITEON 4P, WID"		_			
Q301 0TR144009AI DTA144EK CHIP TP ROHM Q302 0TR144009AH DTC144EK CHIP TP ROHM Q303 0TRKE80046A 2N3904S KEC R/TP SOT23 60V 2 Q304 0TR390609DC 2N3906S-RTK KEC REEL TAPING Q305 0TFDI80001A 2N7002 DIODES R/TP SOT23 60V Q306 0TFDI80001A 2N7002 DIODES R/TP SOT23 60V Q307 0TR390609DC 2N3906S-RTK KEC REEL TAPING Q308 0TRKE80046A 2N3904S KEC R/TP SOT23 60V 2 U101 0IPMG78425A FAN7601 FAIRCHILD DIP-8P BUL U201 0IPMG78424A "AZ431-A BCD 3P,TO-92 TAPING" U303 0TFAN00001A AP4511GD ADVANCED POWER ELEC U304 0TFAN00001A AP4511GD ADVANCED POWER ELEC PC201 0IPMG78432A "LTV-817M-V(C) LITEON 4P, WID"		!	KANSIST	RU & IUS	
Q301 0TR144009AI DTA144EK CHIP TP ROHM Q302 0TR144009AH DTC144EK CHIP TP ROHM Q303 0TRKE80046A 2N3904S KEC R/TP SOT23 60V 2 Q304 0TR390609DC 2N3906S-RTK KEC REEL TAPING Q305 0TFDI80001A 2N7002 DIODES R/TP SOT23 60V Q306 0TFDI80001A 2N7002 DIODES R/TP SOT23 60V Q307 0TR390609DC 2N3906S-RTK KEC REEL TAPING Q308 0TRKE80046A 2N3904S KEC R/TP SOT23 60V 2 U101 0IPMG78425A FAN7601 FAIRCHILD DIP-8P BUL U201 0IPMG78424A "AZ431-A BCD 3P,TO-92 TAPING" U303 0TFAN00001A AP4511GD ADVANCED POWER ELEC U304 0TFAN00001A AP4511GD ADVANCED POWER ELEC PC201 0IPMG78432A "LTV-817M-V(C) LITEON 4P, WID"	$ \Delta $		Q101	0TF760000AD	SSS7N60B FAIRCHILD ST TO220F
Q303 OTRKE80046A 2N3904S KEC R/TP SOT23 60V 2 Q304 OTR390609DC 2N3906S-RTK KEC REEL TAPING Q305 OTFDI80001A 2N7002 DIODES R/TP SOT23 60V Q306 OTFDI80001A 2N7002 DIODES R/TP SOT23 60V Q307 OTR390609DC 2N3906S-RTK KEC REEL TAPING Q308 OTRKE80046A 2N3904S KEC R/TP SOT23 60V 2 U101 OIPMG78425A FAN7601 FAIRCHILD DIP-8P BUL U201 OIPMG78424A "AZ431-A BCD 3P,TO-92 TAPING" U301 OIPMG78426A OZL68GN OZMICRO 20P SOP BULK U303 OTFAN00001A AP4511GD ADVANCED POWER ELECT PC201 OIPMG78432A "LTV-817M-V(C) LITEON 4P, WID"	-			0TR144009AI	
Q304 0TR390609DC 2N3906S-RTK KEC REEL TAPING Q305 0TFDI80001A 2N7002 DIODES R/TP SOT23 60V Q306 0TFDI80001A 2N7002 DIODES R/TP SOT23 60V Q307 0TR390609DC 2N3906S-RTK KEC REEL TAPING Q308 0TRKE80046A 2N3904S KEC R/TP SOT23 60V 2 U101 0IPMG78425A FAN7601 FAIRCHILD DIP-8P BUL U201 0IPMG78424A "AZ431-A BCD 3P,TO-92 TAPING" U301 0IPMG78426A OZL68GN O2MICRO 20P SOP BULK U303 0TFAN00001A AP4511GD ADVANCED POWER ELEC U304 0TFAN00001A AP4511GD ADVANCED POWER ELEC PC201 0IPMG78432A "LTV-817M-V(C) LITEON 4P, WID"			Q302	0TR144009AH	DTC144EK CHIP TP ROHM
Q305 OTFDI80001A 2N7002 DIODES R/TP SOT23 60V 2N7002 DIODES R/TP SOT23 60V 2N3906S-RTK KEC REEL TAPING Q307 OTR390609DC 2N3906S-RTK KEC REEL TAPING Q308 OTRKE80046A 2N3904S KEC R/TP SOT23 60V 2 FAN7601 FAIRCHILD DIP-8P BUL U201 OIPMG78425A "AZ431-A BCD 3P,TO-92 TAPING" OZL68GN OZMICRO 20P SOP BULK U303 OTFAN00001A AP4511GD ADVANCED POWER ELECTOR PC201 OIPMG78432A "LTV-817M-V(C) LITEON 4P, WID"			Q303	0TRKE80046A	2N3904S KEC R/TP SOT23 60V 2
Q306 OTFDI80001A OTR390609DC 2N3906S-RTK KEC REEL TAPING 2N3906S-RTK KEC REEL TAPING 2N3906S-RTK KEC REEL TAPING 2N3904S KEC R/TP SOT23 60V 2 2N3906S-RTK KEC REEL TAPING 2N3904S KEC R/TP SOT23 60V 2 2N3906S-RTK KEC REEL TAPING 2N3904S KEC R/TP SOT23 60V 2 2N3906S-RTK KEC REEL TAPING 2N3904S KEC R/TP SOT23 60V 2 2N3906S-RTK KEC REEL TAPING 2N3904S KEC R/TP SOT23 60V 2 2N3906S-RTK KEC REEL TAPING 2N3904S KEC R/TP SOT23 60V 2 2N3906S-RTK KEC REEL TAPING 2N3904S KEC R/TP SOT23 60V 2 2N3906S-RTK KEC REEL TAPING 2N3904S KEC R/TP SOT23 60V 2 2N3904S KEC R/TP SOT23 60			Q304	0TR390609DC	2N3906S-RTK KEC REEL TAPING
Q307 Q308 OTR390609DC Q308 OTRKE80046A U101 OIPMG78425A U201 OIPMG78424A U301 OIPMG78426A U303 OTFAN00001A PC201 OIPMG78432A U304 OTFAN00001A PC201 OIPMG78432A "LTV-817M-V(C) LITEON 4P, WID"			Q305	0TFDI80001A	2N7002 DIODES R/TP SOT23 60V
Q308 0TRKE80046A 2N3904S KEC R/TP SOT23 60V 2 U101 0IPMG78425A FAN7601 FAIRCHILD DIP-8P BUL U201 0IPMG78424A "AZ431-A BCD 3P,TO-92 TAPING" U301 0IPMG78426A OZL68GN O2MICRO 20P SOP BULK U303 0TFAN00001A AP4511GD ADVANCED POWER ELEC U304 0TFAN00001A AP4511GD ADVANCED POWER ELEC PC201 0IPMG78432A "LTV-817M-V(C) LITEON 4P, WID"			Q306	0TFDI80001A	2N7002 DIODES R/TP SOT23 60V
⚠ U101 0IPMG78425A FAN7601 FAIRCHILD DIP-8P BUL U201 0IPMG78424A "AZ431-A BCD 3P,TO-92 TAPING" U301 0IPMG78426A OZL68GN O2MICRO 20P SOP BULK U303 0TFAN00001A AP4511GD ADVANCED POWER ELEC U304 0TFAN00001A AP4511GD ADVANCED POWER ELEC PC201 0IPMG78432A "LTV-817M-V(C) LITEON 4P, WID"			Q307	0TR390609DC	2N3906S-RTK KEC REEL TAPING
U201 0IPMG78424A "AZ431-A BCD 3P,TO-92 TAPING" U301 0IPMG78426A OZL68GN O2MICRO 20P SOP BULK U303 0TFAN00001A AP4511GD ADVANCED POWER ELEC U304 0TFAN00001A AP4511GD ADVANCED POWER ELEC PC201 0IPMG78432A "LTV-817M-V(C) LITEON 4P, WID"			Q308	0TRKE80046A	
U301 0IPMG78426A OZL68GN O2MICRO 20P SOP BULK U303 0TFAN00001A AP4511GD ADVANCED POWER ELEC	A		U101		FAN7601 FAIRCHILD DIP-8P BUL
U303 0TFAN00001A AP4511GD ADVANCED POWER ELECTOR					•
U304 OTFAN00001A AP4511GD ADVANCED POWER ELECTOR OIPMG78432A "LTV-817M-V(C) LITEON 4P, WID"			U301		
⚠ PC201 0IPMG78432A "LTV-817M-V(C) LITEON 4P, WID"					AP4511GD ADVANCED POWER ELEC
					AP4511GD ADVANCED POWER ELEC
DESISTORs			PC201	UIPMG78432A	"L (V-817M-V(C) LITEON 4P, WID"
NEGISTORS		R	ESISTOR	ks	
			D104	0D 147020676	470K OHM 4/4 W E0/ 2246 D/TD
\(\begin{align*} \					
17.102 0130000 1E472 00000 O1 IIVI 1/0 VV 1/0 2012 R/TP			1102	UNUUU 1E472	0000 OT 11V1 1/0 VV 1/0 2012 R/TF

				DATE: 2006 02 00
*S	*AL	LOC. NO.	PART NO.	DATE: 2006. 02. 08. DESCRIPTION / SPECIFICATION
	_			200.00.00
		R103	0RH1004D622	1M OHM 1 / 10 W 2012 5.00% D
		R104	0RH1001D622	1K OHM 1 / 10 W 2012 5.00% D
		R105	0RD0912Q609	91 OHM 1/4 W (3.4) 5% TA52
		R106	0RH2201D622	2.2K OHM 1 / 10 W 2012 5.00%
		R107	0RD8203A609	820K OHM 1/2 W(7.0) 5.00% TA
		R108	0RD4702A609	47K OHM 1/2 W(7.0) 5.00% TA5
		R109	0RX0560J609	0.56OHM 1 W 5% TA52
		R110	0RX1003K607	100KOHM 2 W 5% TA62
		R111 R112	0RD0471Q609 0RJ1302E472	4.70 1/4W(3 5% TA52 13K OHM 1/8 W 1% 2012 R/TP
$ _{\Lambda} $		R115	0RJ4703G676	470K OHM 1/4 W 5% 3216 R/TP
\mathbb{A}		R116	0RJ4703G676	470K OHM 1/4 W 5% 3216 R/TP
		R117	0RH2403D622	240K OHM 1 / 10 W 2012 5.00%
		R118	0RH2403D622	240K OHM 1 / 10 W 2012 5.00%
		R202	0RX0242K665	24 OHM 2 W 5% SF
		R204	0RN3002F409	30K OHM 1/6 W 1.00% TA52
		R205	0RN2201F409	2.2K OHM 1/6 W 1.00% TA52
		R206	0RJ1601E472	1.6K OHM 1/8 W 1% 2012 R/TP
		R207	0RH1001D622	1K OHM 1 / 10 W 2012 5.00% D
		R208	0RH6800D622	680 OHM 1 / 10 W 2012 5.00%
		R209	0RH1001D622	1K OHM 1 / 10 W 2012 5.00% D
		R211	0RJ1001G476	1K OHM 1/4 W 1% 3216 R/TP
		R301	0RD1001Q609	1K OHM 1/4 W(3.4) 5.00% TA52
		R303	0RH0222D622	22 OHM 1 / 10 W 2012 5.00% D
		R304 R309	0RD1002Q609 0RN1502F409	10K OHM 1/4 W(3.4) 5.00% TA5 15K OHM 1/6 W 1.00% TA52
		R310	0RH1004D622	19K OHW 1/6 W 1.00% 1A52 1M OHM 1 / 10 W 2012 5.00% D
		R311	0RH1502D422	"15K , 1/10W 1% TP"
		R313	0RJ6202E472	62K OHM 1/8 W 1% 2012 R/TP
		R315	0RH2001D622	2K OHM 1 / 10 W 2012 5.00% D
		R316	0RH2001D622	2K OHM 1 / 10 W 2012 5.00% D
		R317	0RJ3303E472	330000 OHM 1/8 W 1% 2012 R/T
		R318	0RJ1503E472	150K OHM 1/8 W 1% 2012 R/TP
		R319	0RH1303D622	130K OHM 1 / 10 W 2012 5.00%
		R320	0RH1502D422	"15K , 1/10W 1% TP"
		R321	0RH1002D422	10K OHM 1/10 W 1% 2012 R/TP
		R401	0RJ1001G476	1K OHM 1/4 W 1% 3216 R/TP
		R402	0RJ1001G476	1K OHM 1/4 W 1% 3216 R/TP
		R403	0RJ1001G476	1K OHM 1/4 W 1% 3216 R/TP
		R404	0RJ1001G476	1K OHM 1/4 W 1% 3216 R/TP 360 OHM 1/8 W 1% 2012 R/TP
		R406 R407	0RJ3600E472 0RJ3600E472	360 OHM 1/8 W 1% 2012 R/TP 360 OHM 1/8 W 1% 2012 R/TP
		R407	0RJ3600E472	360 OHM 1/8 W 1% 2012 R/TP
		R409	0RJ3600E472	360 OHM 1/8 W 1% 2012 R/TP
		TH101	6322A00035A	10D2-07 SEMITEC 10OHM 15% L1
	Т	RANSFO	RMER	
		T101	61709MC011A	EER3016 430UH LX52 LIPS SMPS
		T301	61709MC010A	EFD-2124 95UH INVERTER TRANS
🗥		T302	61709MC010A	EFD-2124 95UH INVERTER TRANS
	C	THERS		
\triangle		SC101	6620K00020A	HUAJIE AC UL/CSA 3PPIN BLACK
A		F101	0FZZTTH001E	TIME LAG HBC 2153.15MXE(LEAD
		FB101	6210TCE003G	BRS3550B BO SUNG 3550MM RADI
		HS1	4920900021A	EXTRUSION 10*20 16 LX52
△		HS2	4920900021A	EXTRUSION 10*20 16 LX52
		HS3	4920900022A	PLATE 7*60 16 LX52
		HS4	4920900032A	PLATE 20.5 *10.5 *12.0
		L202	61409B0009A	HL-1520S JEONGSAN 7.0UH 25%

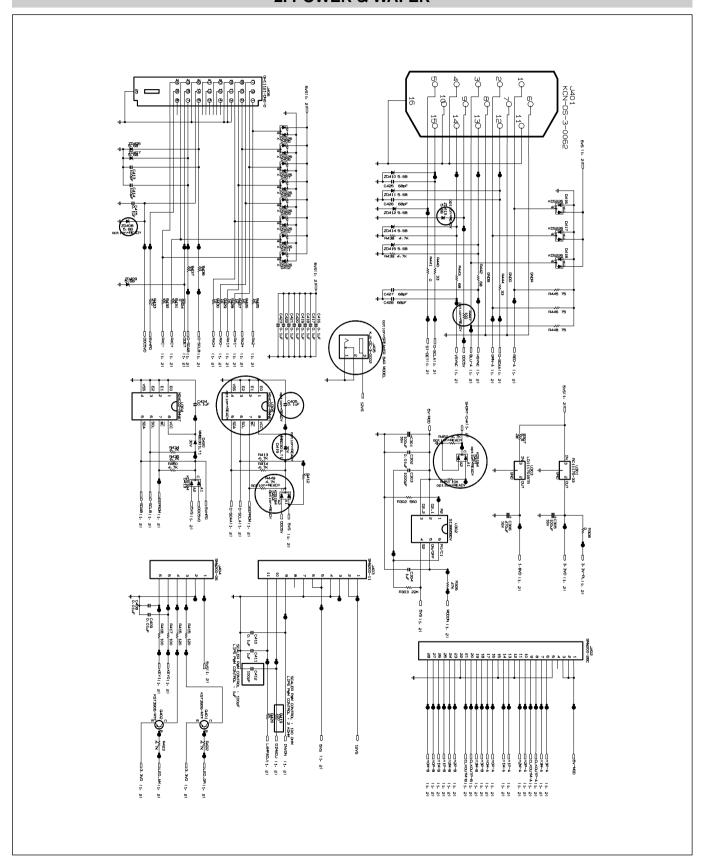
				DATE: 2006 02 08				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION				
*\$	*AL	LOC. NO. LF101 P201 P401 P402 P403 P404 J30 J31	PART NO. 6200J000154 6602T20008K 6630V90218A 6630V90218A 6630V90218A 971-0016 971-0016	DATE: 2006. 02. 08. DESCRIPTION / SPECIFICATION 13.0°710°23680 SAMWAH BULK L SMW200-11 YEONHO 11P 2.0MM L "35001WR YEONHO 2P 3.5MM DIP," "35001WR YEONHO 2P 3.5MM DIP," "35001WR YEONHO 2P 3.5MM DIP," TIN HDC 0.60H NON NON TIN HDC 0.60H NON NON				

SCHEMATIC DIAGRAM

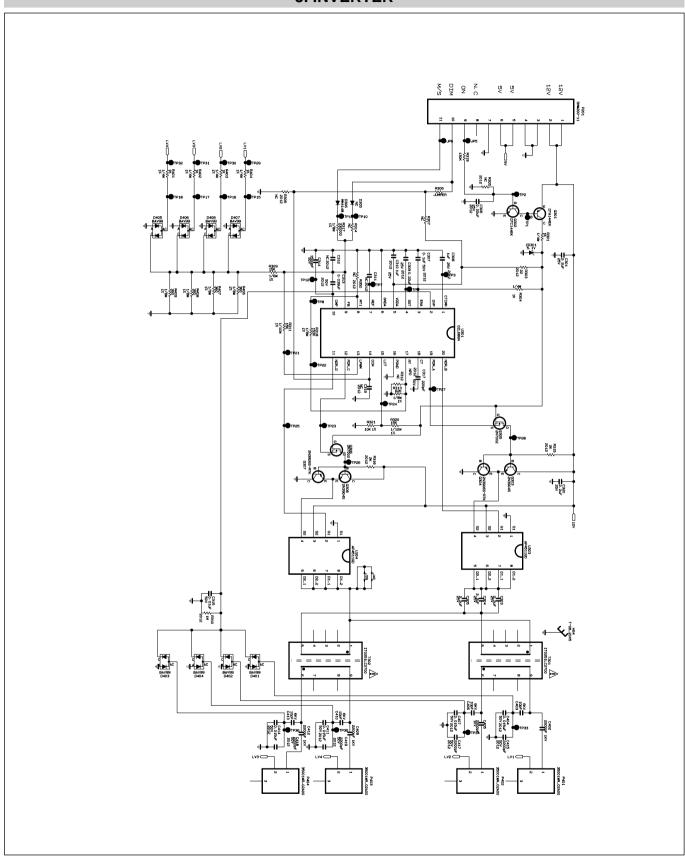
1. SCALER



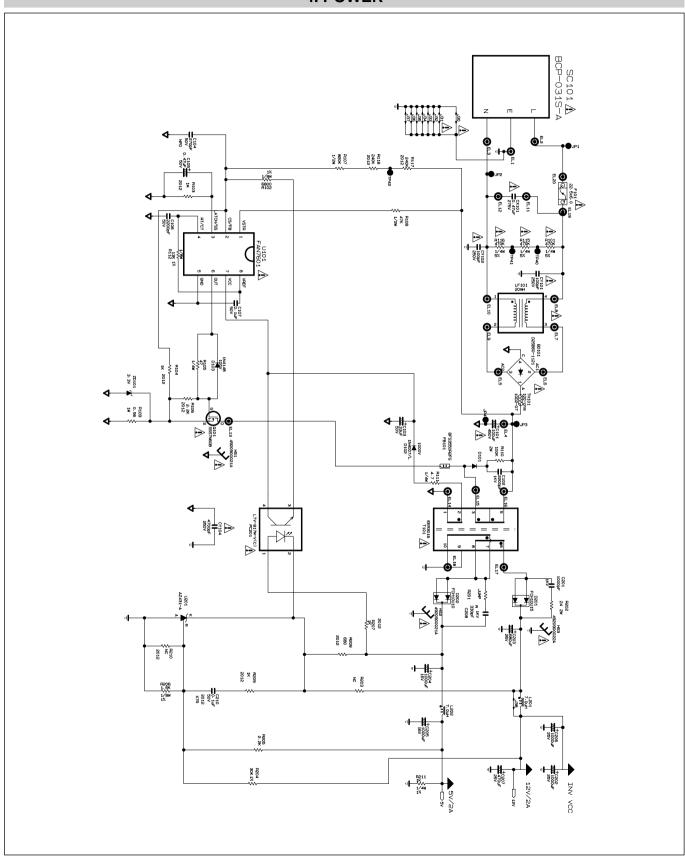
2. POWER & WAFER



3. INVERTER



4. POWER





Feb. 2006 P/NO : 38289S0041 Printed in Korea